

2021 UNDERGRADUATE  
HONORS AND AWARDS  
CEREMONY

May 2021  
University of Maryland  
College Park



## THE A. JAMES CLARK SCHOOL OF ENGINEERING

### 2021 UNDERGRADUATE HONORS AND AWARDS CEREMONY

#### Program

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##### Welcome and Opening Remarks

Rob Briber, *Interim Dean*

##### Presentation of Awards

AEROSPACE ENGINEERING

Norman Wereley, *Chair and Minta Martin Professor*

BIOENGINEERING

Ian White, *Associate Chair and Director of Undergraduate Studies*

CHEMICAL AND BIOMOLECULAR ENGINEERING

Peter Kofinas, *Chair*

CIVIL AND ENVIRONMENTAL ENGINEERING

Charles Schwartz, *Chair*

ELECTRICAL AND COMPUTER ENGINEERING

Joseph JaJa, *Chair*

FIRE PROTECTION ENGINEERING

James Milke, *Chair*

MATERIALS SCIENCE AND ENGINEERING

Ji-Cheng (JC) Zhao, *Chair and Minta Martin Professor*

MECHANICAL ENGINEERING

Balakumar Balachandran, *Professor and Chair*

ENGINEERING CAREER SERVICES

Heidi Sauber, *Director*

WOMEN IN ENGINEERING

Paige Smith, *Director*

CENTER FOR MINORITIES IN SCIENCE AND ENGINEERING

Rosemary Parker, *Director*

A. JAMES CLARK SCHOOL OF ENGINEERING

Kenneth Kiger, *Associate Dean, Undergraduate Student Affairs*

##### Closing Remarks

## 2021 HONORS AND AWARDS

The **Department of Aerospace Engineering Gessow Academic Achievement Awards** are presented to those graduating seniors in the department who have attained the highest overall academic average.

*Awarded to **Ian Down and Niloy Gupta***

The **Robert M. Rivello Scholarship Award** and the **Joseph Guthrie Memorial Scholarships** are presented to those juniors in the department who have attained the highest overall academic average.

*Awarded to **Thomas Bone, Ezra Bregin, Alexander Cochran, Rahul Jain, Evan Ruderman, Logan Swaisgood, and Catherine Yates***

The **American Institute of Aeronautics and Astronautics Outstanding Achievement Award** is presented to the student who has made the most outstanding contribution through scholarship and service to the student branch and the department.

*Awarded to **Rachel Cueva***

The **Department of Aerospace Engineering Chair's Award** is presented to the student who has made the most outstanding contributions through excellence in academics and outstanding service and leadership to the department.

*Awarded to **Rachel Cueva, Rachel Harvey, and Joshua Martin***

The **Women in Aeronautics and Astronautics Award** is presented to the student who has made the most outstanding contribution through scholarship and service to the organization and the department.

*Awarded to **Rachel Harvey***

## ABOUT THE AWARDEES

**Ian Down** is a senior in aerospace engineering with a 3.990 GPA. He has completed the First Year Innovation and Research Program (FIRE) Program in the Autonomous Systems Stream and is a member of the Aerospace Honors Program. He has interned at Northstar Aerospace, Northrop Grumman Mission Systems, and Northrop Grumman Space Systems. Upon graduation, Ian will again intern at Northrop Grumman Space Systems as a Guidance, Navigation, and Control Engineer before entering into a Ph.D. program focused on Spacecraft Dynamics and Control in Fall 2021.

**Niloy Gupta** is a senior, double majoring in aerospace engineering and mathematics with a 4.0 GPA. He was in the Entrepreneurship and Innovation Honors Program and on the ex-ABC research project, where he developed the flight systems for a novel fixed-pitch electric coaxial helicopter. He is a member of the Sigma Gamma Tau and Tau Beta Pi engineering honor societies, serving as the latter's Webmaster. Currently, Niloy is the Chief Engineer of UMD's Design Build Fly team and is doing research on flow measurement. He will begin graduate school this fall to pursue a Ph.D. in hypersonic aerodynamics.

**Thomas Bone** is a junior aerospace engineering student with a 4.0 GPA. He is pursuing his second bachelor's degree after previously earning a bachelor's degree from Hampshire College. He spent twelve years as co-owner and CAO of an employee benefits administration business, which merged with a partner company where he served as a Vice President. Thomas then made the decision to return to school and is currently working as a ground test co-op with Sikorsky Aircraft.

**Ezra Bregin** is a junior pursuing degrees in both aerospace engineering and physics while maintaining a 4.0 GPA. He is part of the Aerospace Engineering Honors Program where he is working on his thesis on the onboard perception of drone swarms. Ezra is involved with various student organizations including the Terrapin Rocket Team where he is the Structures & Dynamics team lead. Ezra has interned at the Johns Hopkins University Applied Physics Laboratory and will continue to work there this coming summer. His passion for aviation takes him outside of the classroom where he is working to obtain his private pilot certificate.

**Alexander Cochran** is a junior aerospace engineering student with a 4.0 GPA. He is a member of the University Honors program and an alumni of the First Year Innovation and Research Program (FIRE) Program Autonomous Unmanned Systems Stream. He has served as an undergraduate teaching fellow for an introductory physics class as well as an academic match tutor for the aerospace engineering department. Alexander has worked as an intern at NASA Goddard Space Flight Center supporting satellite rendezvous missions and plans to continue working this summer in space systems.

**Rahul Jain** is a junior majoring in aerospace engineering and minoring in astronomy. He is a member of University Honors and Jiménez-Porter Writers' House. He is the creative director of Erasable Inc, UMD's all-improvised performance group. He is also part of various diversity initiatives on campus to help underrepresented students find a community in STEM. Rahul has always loved space and currently does research with the Planetary Surfaces and Spacecraft Lab. His career goal is to contribute to space exploration missions with NASA's Jet Propulsion Laboratory.

**Evan Ruderman** is a junior aerospace engineering student with a 4.0 GPA. He is an intern at NASA's Jet Propulsion Lab supporting the Psyche mission. Last summer, he designed flight hardware for Starship at SpaceX, and interned twice at NASA Goddard analyzing vibrations on the James Webb Space Telescope. Evan is a member of the Aerospace Honors Program and co-founded the Autocycle research team through the University's Gemstone Honors Program. He also directs the UMD Sustainability Mini-Grant Committee.

**Logan Swaisgood** is a junior aerospace engineering student in the Gemstone Honors Program. As the Construction Subteam Lead on Team Autocycle, he designs and builds custom systems that help stabilize a self-driving bicycle. He spends his time working with UMD Loop and serving as a Clark School Ambassador. He has studied abroad three times, including a semester in Madrid, Spain. Logan is currently working on a Mars Helicopter research project at the Alfred Gessow Rotorcraft Center, holds membership in the Adele H. Stamp Chapter of Mortar Board, and will join the Tau Beta Pi Association in 2021.

**Catherine Yates** is a junior aerospace engineering student. She is a member of Theta Tau, a co-ed professional engineering fraternity, and on the UMD Loop team. As part of UMD Loop, Catherine is a co-lead for the excavation system for a micro tunnel boring machine which will compete in the Not-A-Boring Competition this summer. She has also served as a teaching fellow for the Aerospace Profession I course within the aerospace engineering department.

**Rachel Cueva** is a senior aerospace engineering student and is a member of the Gemstone Honors College and Aerospace Engineering Honors Program. She is the Chair of UMD's chapter of the American Institute of Aeronautics and Astronautics (AIAA) and is involved with the Nearspace Balloon Payload Program. She conducts her honors research on electrostatic dust lofting on asteroids and her Gemstone research on robotic maintenance of space habitats. Additionally, Rachel is a Pathways Engineering Intern at the NASA Goddard Space Flight Center where she works on the Nancy Grace Roman Space Telescope.

**Rachel Harvey** is a senior aerospace engineering major. She is a member of the University Honors Gemstone Research program on Team ASTRO. In Women in Aeronautics and Astronautics (WIAA), she serves as president and was previously public relations chair. She is a teaching assistant and dialogue facilitator for the Gemstone Honors College and serves as the co-chair of the Gemstone Diversity, Equity, and Inclusion Committee. Rachel has been accepted to Georgia Tech for graduate school to begin her studies towards a Ph.D. in aerospace engineering.

**Joshua Martin** is a senior aerospace engineering student with a 3.97 GPA. He is a member of the Aerospace Honors Program and the University Honors program. He has worked at the UMD Space Systems Lab for three years on space robotics research for astronaut assistance and in-space assembly applications. Josh is treasurer of the UMD chapter of the American Institute of Aeronautics and Astronautics and has interned at both NASA Goddard and at the NASA Jet Propulsion Laboratory. He aims to pursue a Ph.D. towards a future career in research into extreme environment robotics for scientific exploration.

2021 HONORS AND AWARDS

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The **Fischell Department of Bioengineering Outstanding Senior Award** is presented on the basis of academic achievement and contributions to the profession and the department by a senior.

*Awarded to **Alana Tillery***

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The **Fischell Department of Bioengineering Outstanding Junior Award** is presented on the basis of outstanding academic achievement and contributions to the department by a junior.

*Awarded to **Tara Harper***

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The **Fischell Department of Bioengineering Outstanding Research Award** is presented on the basis of significant contributions to research, the department, and the field of bioengineering.

*Awarded to **Yutong Liang***

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The **Fischell Department of Bioengineering Outstanding Citizen Award** is presented to an excellent student who has contributed significantly to the community, department, university, and profession.

*Awarded to **Marisa Patsy***

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The **Fischell Department of Bioengineering Outstanding Leadership Award** is presented to an excellent student who has shown exemplary leadership within the community, department, university, and profession.

*Awarded to **Sabrina de Nicola** and **Asma Farooqui***

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ABOUT THE AWARDEES

**Alana Tillery** is a senior bioengineering student, completing the Entrepreneurship and Innovation Honors Program and participating in departmental student societies. She was a teaching fellow for Introduction to Bioengineering in the Keystone Program and a volunteer for the Maryland Medical Reserve Corps. Alana has been accepted to Johns Hopkins University for graduate school to begin her studies towards an MD/PhD.

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**Tara Harper** is a junior bioengineering student with a 3.92 GPA. She is a teaching assistant for thermodynamics and differential equations as well serving as an academic tutor. Tara is the president of the UMD Women's Club Softball team. She looks forward to continuing her education at the University of Maryland.

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**Yutong Liang** is a senior bioengineering student who has participated in the College Park Scholars Program. He has been a member of the Alpha Eta Mu Beta (AEMB) bioengineering honor society for three years and served as the initiation chair of the organization for the past year. He has performed research focusing nanoscale biomaterials in the Multiscale Biomaterials Lab under the guidance of Dr. Xiaoming He. As a member of the Foundational Learning and Mentorship Experience (FLAME) program, Yutong has also provided teaching and support for students in Prince George's County. After graduation, he is planning to pursue a MD program.

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**Marisa Patsy** is a senior bioengineering student and a member of the University Honors program. She conducts research in the Tissue Engineering and Biomaterials Lab, with a focus on vascular engineering. She is also a teaching fellow for Mechanics I: Statics, as well as a student leader for the University's Academic Achievement Programs. She is the president of the UMD Chapter of the Biomedical Engineering Society, as well as a member of Alpha Eta Mu Beta, the national biomedical engineering honor society, Alpha Omega Epsilon, and Honors Ambassadors. After graduation, Marisa will be pursuing a Ph.D. in Biomedical Engineering, with a focus on cardiovascular tissue engineering.

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**Sabrina De Nicola** is a junior bioengineering student with a minor in sustainability. She is a member of the Bioengineering Honors Program, where she is working towards completing a research thesis on bioaugmentation techniques to combat storm-water pollution. She received the Gilman International Scholarship to study abroad at the Universidad Pontificia Comillas in Madrid, Spain. Sabrina is also co-president of UMD's chapter of Engineering World Health and a peer mentor for the Society of Women Engineers. She plans to pursue a Ph.D. in environmental engineering.

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**Asma Farooqui** is a senior bioengineering student and is a graduate of the Global Fellows and Flexus programs. She is co-president of Engineering World Health, which focuses on innovating and improving accessibility of medical devices in low-income communities, and providing students with experience in device repair. She is a member of the Women in Engineering Student Advisory Board and Alpha Omega Epsilon. Currently, she is working on low-cost pre-cervical cancer therapies in Dr. Jenna Mueller's lab. Upon graduation, Asma plans to pursue a masters in biomedical engineering and global health.

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### 2021 HONORS AND AWARDS

The **David Arthur Berman Memorial Award** is presented to the student majoring in Chemical and Biomolecular Engineering with the highest cumulative scholastic average at the end of the first semester of his or her junior year, and who has been elected to (or has been contacted by and is pursuing election to) Tau Beta Pi.

*Awarded to **Benjamin Ruggeri***

The **Department of Chemical and Biomolecular Engineering Chair's Award** is presented for excellence in academics, outstanding service to the department, or leadership in the department.

*Awarded to **Lauren Cho***

The **Department of Chemical and Biomolecular Engineering Outstanding Senior Award** is presented to a graduating senior for scholarship, leadership, and service to the department.

*Awarded to **Joshua Fernandes and Jesse Matthews***

The **Department of Chemical and Biomolecular Engineering Outstanding Junior Award** is presented to a department junior for academic excellence.

*Awarded to **Long Fei Chen***

The **Department of Chemical and Biomolecular Engineering Student Service Award** is presented to a graduating senior in the department for outstanding service in the department.

*Awarded to **Ayelet Senderowicz***

### ABOUT THE AWARDEES

**Benjamin Ruggeri** is a third year Banneker/Key Scholar studying chemical engineering with a 3.99 GPA. Throughout his college career, Ben has participated in Tau Beta Pi, Advanced Cybersecurity Experience for Students, ChemE Car, Terps Against Hunger, and the Alumni Cup. In Engineers Without Borders, he took part in building a water chlorination model for a village in Nicaragua. Ben is currently serving as the Director of Corporate Outreach for the American Institute of Chemical Engineers and is in the second year of his internship with Chemtreat. Upon graduation, Ben plans to pursue a career in industrial water treatment engineering and sales.

**Lauren Cho** is a chemical and biomolecular engineering and chemistry senior. As a part of the Gemstone Honors program on Team CONTACT, she and her team are engineering a system to better detect intraocular pressure. She also serves as a president of the American Chemical Society (ACS) at UMD. She has been a chemistry lab teaching assistant, Guided Study Session leader, chemical engineering undergraduate teaching fellow, CHBE100 mentor, and ClarkLEAD facilitator to welcome freshmen and transfer engineering students. Next year, Lauren will be a chemistry Ph.D. student as she aspires to become a professor who will not only research and mentor, but advocate for STEM accessibility for all.

**Joshua Fernandes** is a senior pursuing a double degree in chemical engineering and applied mathematics. He is a member of the Honors Humanities Program and the RISE (Research, Instruction, and Service in Engineering) Leadership Academy in the Clark School. He works as an undergraduate researcher within the Laboratory of Molecular and Thermodynamic Modeling, performing atomistic simulations of biological membranes. Joshua has also served as an undergraduate teaching fellow for Transport Phenomena I and II in the Department of Chemical Engineering. After graduation, he will pursue a Ph.D. in chemical engineering.

**Jesse Matthews** is a senior majoring in chemical engineering and mathematics with a 3.99 GPA. He is a member of University Honors and the RISE (Research, Instruction, and Service in Engineering) Leadership Academy, and is a Clark School Ambassador. Jesse has engaged in undergraduate research since his first year at the University of Maryland, working on solid polymer electrolytes for lithium-ion batteries. Jesse has also served as an undergraduate teaching fellow for several chemical engineering courses and as a mentor for summer research programs for local high schoolers. He will pursue a Ph.D. in chemical engineering next year at either Massachusetts Institute of Technology or Stanford.

**Long Fei Chen** is a junior chemical and biomolecular student with a 3.988 GPA. He is a member of the American Institute of Chemical Engineers (AIChE). In the club, Chem-E-Car, he assisted with studying the kinetics of the chemical reaction being used in the car for the competition. Long has also been an undergraduate teaching fellow for four semesters.

**Ayelet Senderowicz** is a senior chemical engineering student. Ayelet co-founded the position of faculty-student liaison for the University of Maryland's American Institute of Chemical Engineers student chapter, and was the undergraduate teaching fellow for Exploring Chemical and Biomolecular Engineering, as well as a mentor for students entering the Chemical and Biomolecular Engineering department in the summer. Ayelet was a member of the Flexus Living and Learning Program, and served as a peer mentor for transfer students in the Women in Engineering Peer Mentoring Program. She spent the fall of her junior year participating in the Disney College Program at Walt Disney World and hopes to one day return there as an Imagineer.

2021 HONORS AND AWARDS

The **Department of Civil and Environmental Engineering Outstanding Senior Award** is presented to a department senior for outstanding scholastic achievement.

*Awarded to **Andrew Grupp***

The **Department of Civil and Environmental Engineering Outstanding Junior Award** is presented to a department junior who has demonstrated outstanding academic achievement.

*Awarded to **Joseph Anderson***

The **Chi Epsilon Outstanding Senior Award** is presented to a department student for demonstrated leadership and service to the student engineering community.

*Awarded to **Emmalene Trebel***

The **Bechtel Award for Outstanding Leadership** is presented to a department student for demonstrated leadership and service to the student engineering community.

*Awarded to **Lilia Yousefian***

The **Robert L. Morris Award in Environmental Leadership** is given to a department junior or student who has demonstrated through extracurricular activities a commitment to environmental stewardship, ethical engineering practice, or sustainable technology.

*Awarded to **Alexandra Miller***

The **Department of Civil and Environmental Engineering Chair's Award** is presented to a department student for the most significant contribution to the department.

*Awarded to **Jason Webb***

The **American Society of Civil Engineers Outstanding Senior Award** is presented to a senior member for outstanding scholastic achievement and for significant service to the chapter.

*Awarded to **John Nalley***

ABOUT THE AWARDEES

**Andrew Grupp** is a senior civil engineering student with a 3.96 GPA. He is a member of the College Park Scholars Program and the Chi Epsilon Civil Engineering Honor Society. In addition to engineering, Andrew participates in the University Band and Pep Band as a clarinet player. He has interned at NJB Engineering as a site engineer for the past year. Andrew will return to the University of Maryland this fall for a fourth year to finish his civil engineering degree and pursue a minor in project management.

**Joseph Anderson** is a sophomore civil engineering student with a 3.96 GPA. He is a member of the Entrepreneurship and Innovation Honors Program and is the current president of the Alpha Tau Omega fraternity chapter at UMD. He has interned at VIKA Maryland LLC and will intern at Sheladia Associates in Rockville, MD during summer 2021.

**Emmalene Trebel** graduated in December 2020 as a civil and environmental engineering major with a focus in transportation and project management. She served as the webmaster of the American Society for Civil Engineers and as the editor and president of the civil engineering honor society Chi Epsilon. Emmalene has begun her career as a project engineer with Whiting-Turner in Silver Spring, Maryland.

**Lilia Yousefian** is a junior civil and environmental engineering student following the structural and geotechnical engineering track. She currently serves as the vice president of the American Society of Civil Engineers and planned the society's largest annual networking event, "Suit Up and Be Civil," in 2020. The event hosted over 300 students, professionals, and faculty as Lilia secured over 28 corporate sponsors for the event, raising generous funds for their student chapter. Lilia is also a mentor coordinator for the Women in Engineering Mentorship Program and a member of Chi Epsilon.

**Alexandra Miller** is a senior civil and environmental engineering major. She is a member of Omicron Delta Kappa Leadership Society, Alpha Omega Epsilon, Tau Beta Pi Engineering Honor Society, Hinman CEOs living-learning entrepreneurship program, and the Engineering Honors program. Currently, Alex serves as a math success coach, an undergraduate teaching assistant, and a member of the Diversity, Equity, and Inclusion Committee. Alex has been accepted to Cornell, Stanford, Virginia Tech, Vanderbilt, and Duke to pursue a Master of Science in water resources and environmental engineering.

**Jason Webb** is a junior civil engineering student with a 3.99 GPA. He is a member of the University Honors program and is also minoring in Sustainability Studies. As one of the project managers for the Steel Bridge student competition team, he oversees the fabrication of the bridge and has been coordinating the logistics of competing from campus this year. Jason is currently a coding tutor for the Civil and Environmental Engineering Department and previously tutored Paint Branch Elementary School students and was a Clark School Ambassador.

**John Nalley** is a senior civil engineering student and a member of the University Honors program and the Chi Epsilon National Honor Society. He currently serves as the president of the UMD chapter of the American Society of Civil Engineers. John is also an active member of the Maryland Student Officials Association and is a supervisor for the UMD Intramural Sports program. He looks forward to beginning his career in transportation engineering upon graduation and hopes to return to school to earn a master's degree in the future.

## 2021 HONORS AND AWARDS

The **Department of Electrical and Computer Engineering Outstanding Academic Performance Award** is presented to a junior for academic excellence.

*Awarded to **Zachary Breit***

The **Department of Electrical and Computer Engineering Service Award** is presented to a graduating senior who has demonstrated exceptional leadership and service to both their fellow students and the department.

*Awarded to **Timothy Henderson and Daojun Xu***

The **Department of Electrical and Computer Engineering Chair's Award** is presented to a senior for outstanding academic performance.

*Awarded to **Benjamin Honecker, Pratik Rathore, and Benjamin Seufert** for electrical engineering*

*Awarded to **John Heide, Mihailo Rancic, and Xinyi Shi** for computer engineering*

## ABOUT THE AWARDEES

**Zachary Breit** is a junior computer engineering major and a member of the Gemstone Honors Program. For his Gemstone research, Zach is studying the usability and security of web authentication methods with a team of nine other honors students. He is also the Software Development Director for Bitcamp (UMD's largest on-campus hackathon), where he leads a team of 12 programmers to create websites and apps to support the 1000+ person event. In the future, Zach is excited to pursue a career in robotics engineering.

**Timothy Henderson** is a senior computer engineering student. He is a member of Design Cultures and Creativity in the Honors College, a leadership team member of the Texas Instruments Electrical and Computer Engineering (ECE) Peer Mentor Program, the academic chair of the University of Maryland's Institute of Electrical and Electronics Engineers chapter, and has been a teaching assistant for three years. In his senior year, he worked to recruit more teaching assistants in the ECE department. After graduation, he plans on completing his master's degree in electrical engineering at UMD and he eventually hopes to work in the semiconductor field.

**Daojun (June) Xu** is a senior computer engineering student with a 3.88 GPA. She is an alumna of Design Cultures and Creativity in the Honors College. June was an Undergraduate Teaching Fellow for the Introduction to Electrical and Computer Engineering (ECE) course for four semesters. She also acted as a Peer Mentor in the ECE Peer Mentor Program, before assuming the role of Communication Coordinator for its Student Leadership Team. After graduation, she will be joining Accenture Federal Services in Washington, D.C. as a Software Engineering Analyst.

**Benjamin Honecker** is a senior electrical engineering major with a 4.0 GPA. He transferred from Anne Arundel College with an associate's degree and participated in an engineering cooperative education program with the federal government. He served as a supplemental instruction leader for calculus and volunteers at his local Society for the Prevention of Cruelty to Animals. Upon graduation, he plans to start his graduate degree in radio frequency and microwave engineering at Johns Hopkins University.

**Pratik Rathore** is a senior pursuing a double degree in mathematics and electrical engineering. At Maryland, he is a member of University Honors and a Banneker/Key Scholar. He is a teaching fellow for ENEE150 in the Electrical and Computer Engineering department and serves as a peer mentor through University Honors. He has been part of the University of Maryland's Putnam team for the last three years and received the Dan Shanks award for research in number theory from the UMD math department. Starting in Fall 2021, Pratik will be a graduate student pursuing a Ph.D. in electrical engineering.

**Benjamin Seufert** is a senior electrical engineering student with a 3.98 GPA. He is a member of University Honors and recently received his Honors Citation. He was an undergraduate teaching fellow for Digital Logic Design, an Electrical and Computer Engineering major course, for two semesters. He is also a two-time recipient and received the David Andrew Tretter Memorial Scholarship. Benjamin has accepted a job offer from Northrop Grumman, which he will start this summer.

**John Heide** is a senior computer engineering student in University Honors. He was a member of Engineers Without Borders, traveling to Puerto Rico in June 2018 with a team to install solar panels on a nursing home after Hurricane Maria. He was on the team that traveled to Suma Ahenkro, Ghana in January 2019 to install a photovoltaic system at a secondary school. He was also a tuba player in the Mighty Sound of Maryland for four years and a squad leader for two. John had two summer internships at the Johns Hopkins Applied Physics Lab, where he will return full time after graduation.

**Mihailo Rancic** is a senior studying computer engineering and mathematics. On campus, he is a leader of the Electrical and Computer Engineering (ECE) Peer Mentoring Program, which provides incoming ECE freshmen with mentorship and support. He is also involved with research, specifically in designing a tiny, high-temperature central processing unit at the University of Maryland and in Field Programmable Gate Array hardware acceleration at Carnegie Mellon University. Finally, he serves as an undergraduate teaching assistant for a course in programming languages. Mihailo has recently been accepted into graduate school and plans to earn his Ph.D. in ECE, focusing on research in computer architecture.

**Xinyi Shi** is a senior computer engineering student and a member of University Honors. She has served as an undergraduate teaching fellow within the Electrical and Computer Engineering department for three semesters and has been an active member of the avionics subteam of University of Maryland Loop since 2019. She has participated in research projects pertaining to topics such as natural language processing and the development of cancer-detecting wearable devices. Xinyi intends to pursue graduate studies after completing her degree.

2021 HONORS AND AWARDS

The **Society of Fire Protection Engineers Outstanding Senior Award**, sponsored by the society's Chesapeake Chapter, is presented to the department senior with the highest GPA.

*Awarded to **Shuvam Roy***

The Salamander Honor Society presents the **Robert J. Taylor Academic Achievement Award** to the department junior with the highest GPA.

*Awarded to **Thomas Roche***

The **Department of Fire Protection Engineering Chair's Award** is presented to the department student or students who made the most significant contribution to the Department mission through their service and leadership during the year.

*Awarded to **Colleen Whitcomb***

The **NFPA Ambassador Award**, sponsored by the NFPA (National Fire Protection Association) acknowledges students who have served as exemplar FPE Ambassadors, going above and beyond to promote the major.

*Awarded to **Bryce Bathras***

ABOUT THE AWARDEES

**Shuvam Roy** is a senior fire protection engineering student with a 4.0 GPA. He is the secretary of the Salamander Honor Society and secretary of the new Silver and Gold Pen Pals Club as well as a University Honors student and an Alpha Lambda Delta Honors Society member. After Shuvam graduates, he will continue his studies at the University of Maryland to obtain his masters degree in fire protection engineering.

**Thomas Roche** is a junior BS/MS fire protection engineering student with a 3.9 GPA. They are a member of University Honors, Tau Beta Pi, and the Salamander Honor Society. They worked with Professor Michael Gollner and graduate student Priya Garg on the products of combustion from wildfires with a paper currently being reviewed by the Combustion Institute. He provides tutoring for his fellow fire protection engineering undergraduates. Thomas is working with his peers in the RISE (Research, Instruction, and Service in Engineering) Leadership Academy to form a club that helps new transfer students form study groups and make connections on campus.

**Colleen Whitcomb** is a junior fire protection engineering student. She was secretary and is now the president of the Society of Fire Protection Engineers student chapter at the University of Maryland. Throughout her time here, she has volunteered at numerous Department of Fire Protection Engineering events including Maryland Day and other recruiting efforts. In addition, Colleen worked as a teaching fellow for the Mechanics I course in the Keystone Program. Outside of school she regularly volunteers for Special Love Inc., an organization that provides summer camps and year-round activities for children with cancer.

**Bryce Bathras** is a junior fire protection engineering student. She is the vice president of the Society of Fire Protection Engineers, a member of the Salamander Honor Society, and is a tutor and ambassador for the Fire Protection Engineering department. As an ambassador for the department, she helps with lab tours, high school visits, and presentations to potential students. Bryce also participates in the University of Maryland Repertoire Orchestra, competes in various intramural sports, and plays for the UMD Club Dodgeball team.

2021 HONORS AND AWARDS

The **Department of Materials Science and Engineering Chair's Outstanding Senior Award** is presented to a graduating senior for outstanding scholarship, leadership and service to the department.

*Awarded to **Felix Adams***

The **Department of Materials Science and Engineering Outstanding Materials Student Service and Advocacy Award** is presented to graduating seniors for outstanding service to the department, to the student chapter of the Materials Engineering Society, and exceptional advocacy for the students in the department.

*Awarded to **James Shen***

The **Department of Materials Science and Engineering Student Research Award** is presented to an undergraduate who has demonstrated creativity and scholarship in research.

*Awarded to **Samuel Klueter***

ABOUT THE AWARDEES

**Felix Adams** is a materials science and engineering major and computer science minor. He enjoyed a National Aeronautics and Space Administration (NASA) internship analyzing shape memory alloy data in 2019. In 2020, he worked at the National Institute of Standards and Technology (NIST), performing computer simulations of nanocomposite interfaces. In his senior year, Felix served on the Materials Engineering Society (MatES) executive board and helped create Python programming exercises for the Materials Science and Engineering department. After graduating in 2021, he will pursue a Ph.D. in Computational Materials Science.

**James Shen** is a senior materials science and engineering student and a graduate of the Virtus Living and Learning Program. He currently serves as president of the Materials Engineering Society (MatES) and as squad leader for the tuba section in the Mighty Sound of Maryland. James is a teaching assistant for the Smith Business School and works at the Center for Environmental Energy Engineering, where he conducts research into solid-state cooling. After graduation, James will be pursuing a Ph.D. in mechanical engineering at the University of Maryland.

**Sam Klueter** is a senior materials science and engineering student. He is a research assistant in the ALD Nanostructures Lab where he researches novel structures and materials for batteries. He is a member of the Gemstone Honors Program in which he is involved in research on novel ways of detecting glaucoma. Sam is also a member of the University of Maryland's ultimate frisbee team, and looks forward to returning to the field as he pursues his master's degree at UMD in next academic year.

2021 HONORS AND AWARDS

The **Academic Achievement Award** is presented to juniors in Mechanical Engineering who have excelled academically to obtain a cumulative grade point average of 4.0.

*Awarded to **Kieran Barvenik and William Gerst***

The **Chairman's Award** is presented to graduating Mechanical Engineering seniors for excellence in academics, outstanding service to the department, or outstanding leadership in the department.

*Awarded to **Annina Commins, Samuel Giglioli, Daniel Kirchner, John Lathrop, Abigail Meyer, Peter Mnev, and Kyle Pinchney***

ABOUT THE AWARDEES

**Kieran Barvenik** is a junior mechanical engineering student with a 4.0 GPA. He is enrolled in both University Honors and the Engineering Honors program. On the Terps Racing Baja team, Kieran is the leader of the powertrain subgroup. He is also an alumni mentor for a FIRST Tech Challenge high school robotics team. Kieran has held internship positions at both the National Institute of Allergy and Infectious Diseases and BAE Systems, Inc., and is preparing to intern with Northrop Grumman this summer.

**William Gerst** is a junior with a 4.0 GPA, pursuing a double degree in mechanical engineering and computer science. He is a member of University Honors and has worked with Terrapin Works as part of the software design team. William also participated in the International Collegiate Programming Contest (ICPC) regional championships in 2018 and 2019. Currently, he is a teaching assistant for the Discrete Structures course in the Department of Computer Science.

**Annina Commins** is a senior mechanical engineering student. She is a transfer student from Montgomery College, where she was a tutor in the Academic Support Center. At the University of Maryland, Annina works with a team of undergraduate students to develop and parameterize control-oriented models of anatomical processes. This work is in support of a multidisciplinary research effort at the university to develop a novel ventilator design for COVID-19 patients.

**Sam Giglioli** is a senior mechanical engineering student with a 3.5 GPA. Sam is a member of the University of Maryland's Mechanical Contractors Association-Metropolitan Washington (MCAMW) team and competed against other schools nationwide, finishing third and sixth in the past two years. Sam is now a Palace Acquire intern for the Air Force and plans to return to the University of Maryland for a master's degree in mechanical engineering.

**Daniel Kirchner** is a senior mechanical engineering student with a 4.0 GPA. He is a member of Tau Beta Pi Engineering Honor Society and Pi Tau Sigma Mechanical Engineering Honor Society. Daniel works with Professor Ryan Sochol as an undergraduate research assistant in the Bioinspired Advanced Manufacturing Laboratory at the University of Maryland. In his work, Daniel helps to design and test new techniques for the additive manufacture of specialized materials.

**John Lathrop** is a senior mechanical engineering and mathematics student. He leads the Tanzania project in the University of Maryland student chapter of Engineers without Borders, designing battery backup and water filtration systems for health clinics in Tanzania. He is currently a teaching fellow for Vibrations II and formerly a teaching fellow for Dynamics in the Keystone Program. John conducts research in the aerospace engineering and materials science departments, focusing on soft robotics and radiation sensing. He will begin Ph.D. studies in control and dynamical systems at the California Institute of Technology in fall 2021.

**Abigail Meyer** is a graduating senior in mechanical engineering. She has been involved with the Flexus Living and Learning Program, the Honors College, the Women in Engineering (WIE) community, and has been a committed member of the Terps Racing Engineering team. Within Terps Racing, she has been a part of the Baja SAE team and has been the team captain for the last three years. Within WIE, she volunteered for many events introducing girls to STEM. Abby has accepted a position at Oshkosh Corporation in a rotational engineering program and is excited to be moving to Wisconsin this summer.

**Peter Mnev** is a senior mechanical engineering and computer science double major with a 3.9 GPA. He is the president of the Pi Tau Sigma Mechanical Engineering Honor Society and team captain of the Maryland Unmanned Aerial Systems club. Peter is also a part of the Gemstone Honors Program on team ASTRO. With this team, he presented at the 2020 Revolutionary Aerospace Systems Concepts Academic Linkage (RASC-AL) Conference and received the Best in Theme award for the Autonomous Utilization category. Peter plans to continue his education with a master's degree to begin a career in robotics research and development.

**Kyle Pichney** is a third-year mechanical engineering student with a 4.0 GPA. He is a recipient of the Banneker/Key and A. James Clark Legacy Scholarships, and has graduated from the Honors College Entrepreneurship and Innovation Program (EIP). His EIP team won the Social Impact Award and he won the Outstanding Team Leader Award in the Terp Tank Capstone Symposium. He is a member of the Leatherbacks Combat Robotics club and will be the incoming vice president. Kyle is a member of the American Society of Mechanical Engineers (ASME), Tau Beta Pi, Pi Tau Sigma, and Phi Kappa Phi. He plans to apply to graduate school to pursue a master's degree.

### 2021 HONORS AND AWARDS

The **Outstanding Engineering Co-op/Intern Award** is presented to selected students who have demonstrated exceptional work performance, strong academic achievement, and remarkable potential for a successful career while participating in a cooperative education or internship opportunity.

*Awarded to **Ethan Aus, Jonathan Chang, Jacqueline Kerlin, and Shuvam Roy***

### ABOUT THE AWARDEES

**Ethan Aus** is a junior mechanical engineering student who transferred in from the US Military Academy. He interned at University of Maryland's Unmanned Aircraft Systems (UAS) Test Site where he assisted in the maintenance of commercial unmanned aircraft systems and the design and building of prototype UAS. He also wrote technical documents regarding UAS procedures for future interns. He still works at the UAS Test Site to assist with flight operations and is a student ambassador for us through the Maryland Robotics Center. Ethan won this award because of his overwhelming work ethic, his innate intelligence, and his strong desire to make an impact. He immediately jumped into his assigned work, but at the same time he wanted to learn as much as he could about everything we did, how we did it, and what our growth plans were. We never had to ask Ethan to do something; he was already on it and asking for more. We relied on him to cover our flight preparations and he even became a visual safety observer and ground crew for everything from small drones to large UAS weighing over 300 pounds. In this year of unprecedented challenges, Ethan showed us how to persevere in the face of it and thrive.

**Jonathan Chang** is a senior chemical engineering student. He is a member of the University Honors program and RISE (Research, Instruction, and Service in Engineering) Leadership Academy. He served as the vice president of the American Institute of Chemical Engineers from 2019 to 2020 and has participated in the battery sub-team of the ChemE Car team. He has also been an undergraduate teaching fellow for Thermodynamics and Fluid Mechanics courses. Jonathan currently has a co-op assignment at Battelle but he won this award for his co-op job at ExxonMobil. The quality of Jonathan's work consistently exceeded expectations, no matter the task. He demonstrated a tremendous amount of initiative and proactively sought out new responsibilities. He understood the importance of his work and how his tasks fit into the organization's strategic vision. He also demonstrated non-technical behaviors that were instrumental in his success and effectiveness. Jonathan recognized that active listening is necessary for successful communication and conveyed information in a concise and unambiguous way that was tailored to his audience. He promoted inclusion by respecting and valuing the unique perspectives of others and encouraged open dialogue which enabled him to build trust with a diverse work group. Jonathan regularly sought feedback from his peers and management to improve his performance.

**Jacqueline Kerlin** is a senior mechanical engineering student with a minor in general business. She is a graduate of the College Park Scholars: Science, Technology, and Society program. As a peer assistant in the Engineering Career Services Office, she critiques résumés and advises students in the job-search process. She has also acted as a resident assistant for the Discovering Engineering program and as a teaching fellow for the Virtus Living and Learning Program. Jacqueline is involved in service through her fraternity, Alpha Phi Omega, and by raising a future guide dog. Jacqueline has interned and also accepted a full-time job with Whiting-Turner in their Virtual Design & Construction division. Jacqueline won this award because of her work ethic and her critical thinking skills. From the very beginning, she asked intelligent and relevant questions, unexpected from a new engineer, let alone an intern. Halfway through her internship, she was proficient enough to be trusted to do the basic duties of a full time VDC Engineer. She has the intuition, knowledge, and curiosity to learn about the multitude of software that we use and the documentation required, while being able to improve, update, and maintain those processes on her own with little oversight. Jacqueline has drive, dedication, and a positive attitude, and is a great asset to our team.

**Shuvam Roy** is a senior fire protection engineering student with a 4.0 GPA. He is the secretary of the Salamander Fire Protection Honor Society and secretary of the new Silver and Gold Pen Pals Club, as well as a University Honors student and an Alpha Lambda Delta Honor Society member. After Shuvam graduates, he will continue his studies at the University of Maryland to obtain his Masters degree in fire protection engineering. Shuvam won this award because of his work with Exelon-Pepco Holdings, where he adapted to the new norm of a virtual workplace and was able to be an effective worker with little management oversight. He also went above and beyond by attending substation visits in the field so that he could better learn about our equipment. During one of his presentations, Shuvam was able to speak in a way so that our non-technical business analysts understood the subject matter, while at the same time, our PhD engineers praised him for his knowledge. In this time of social unrest, our team held discussions on how we can promote diversity and inclusion. Shuvam always participated in these tough conversations impressing those around him with his sensitivity and insight. Shuvam deserves this award for his strong work ethic, adaptability in the workplace, technical knowledge, and eagerness to learn.

### 2021 HONORS AND AWARDS

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The **Women in Engineering Service Award** is presented to the engineering student who has demonstrated outstanding service to the Women in Engineering Program.

*Awarded to **Lily Granzow***

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The **Women in Engineering Leadership Award** is presented to the engineering student who has demonstrated leadership, engagement, and impact to Women in Engineering Program initiatives and student organizations.

*Awarded to **Sarah Noland***

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The **Women in Engineering Advancement Award** is presented to an engineering student who has demonstrated exceptional dedication to social change, advocacy, and community service on behalf of the Women in Engineering Program (WIE). This award recognizes the student's lasting contributions which advance and expand the reach of the WIE Program to support all students within the A. James Clark School of Engineering.

*Awarded to **Farida Abubakar***

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### ABOUT THE AWARDEES

**Lily Granzow** is a senior chemical and biomolecular engineering student. She was a member of Entrepreneurship and Innovation in University Honors and a student in the Clark School's Flexus Living and Learning Program. She has facilitated outreach activities and mentored students through the Women in Engineering program, researched in the Functional Macromolecular Lab, and interned for Colgate Palmolive's Global Supply Chain program. Lily was a Top Clark Ambassador, Clark Ambassador coordinator, and Women in Engineering Leadership Development (WIELD) program coordinator. After graduation, she plans to work as a process or quality engineer at a biopharmaceutical or biomedical device company.

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**Sarah Noland**, a junior in mechanical engineering, is a member of both QUEST (Quality Enhancement Systems and Teams) Honors and University Honors programs and is a proud Clark School Ambassador. Sarah was a leader in the Flexus & Virtus Living and Learning Community and has mentored several students through Society of Women Engineers (SWE) and the Women in Engineering Peer Mentoring Program. She currently serves as president of SWE and will be the chair of the Women in Engineering Student Advisory Board in Fall 2021. Through SWE, she facilitated support systems for women in engineering and engaged students in community building and professional development opportunities. This summer, Sarah plans to intern for Deloitte GPS consulting.

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**Farida Abubakar** is a junior civil & environmental engineering major currently on the project management track. She has worked very closely with the engineering student affairs suite since her freshman year. She works at the Center for Minorities in Science and Engineering to increase minority participation in STEM fields and also serves on the Women in Engineering Student Advisory Board. Farida co-founded the Clark School's Grab & Go food pantry in 2019 and she currently works at Terrapin Works and the Office of Distance Education Technology (DETS).

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2021 HONORS AND AWARDS

The **Center for Minorities in Science and Engineering Leadership Award** is presented to the student who through service and leadership provides outstanding support to the initiatives and programming for the Black Engineers Society (BES).

*Awarded to **Josiah Bedford and John Dutan***

The **Center for Minorities in Science and Engineering Leadership Award** is presented in recognition of dedicated service to the Center for Minorities in Science and Engineering through commitment to promoting diversity in engineering in the college, the university community, and through the Center's recruitment, outreach, and retention programs.

*Awarded to **Farida Abubakar, Excel Alale, Ashley Henriquez, and Christian Moreira***

The **Louis Stokes Alliances for Minority Participation (LSAMP) Leadership Award** is presented to the LSAMP student who through service and leadership provides outstanding support to the initiatives and programming of the NSF LSAMP.

*Awarded to **Amida Koroma***

ABOUT THE AWARDEES

**Josiah Bedford** is a senior mechanical engineering student with a minor in computer science. He is a graduate of the College Park Scholars program from the Science, Technology, and Society community. Josiah has served as a Clark School Ambassador, speaking to prospective engineering students. He is a research assistant in the Neuromechanics Research Core, developing machine learning techniques to predict knee adduction moment. He is the current president of the Black Engineers Society and serves on the National Society of Black Engineers (NSBE) National Membership Committee. After graduating, Josiah plans to pursue a Ph.D. in Robotics.

**John Dutan** is a third-year mechanical engineering student and a member of the QUEST Honors Program. John is also this year's president for the UMD chapter of the Society of Hispanic Professional Engineers (SHPE), where he organizes events for Latinx STEM students across campus. John previously worked researching in the Autonomous Systems Laboratory and the Space Systems Laboratory as a part of the Louis Stokes Alliances for Minority Participation (LSAMP) Undergraduate Research Program. He will intern this summer at Lockheed Martin for their Rotary Mission Systems branch as a Control Systems Engineer in Philadelphia, PA.

**Farida Abubakar** is a junior civil & environmental engineering major currently on the project management track. She has worked very closely with the engineering student affairs suite since her freshman year. She works at the Center for Minorities in Science and Engineering to increase minority participation in STEM fields and also serves on the Women in Engineering Student Advisory Board. Farida co-founded the Clark School's Grab & Go food pantry in 2019 and she currently works at Terrapin Works and the Office of Distance Education Technology (DETS).

**Excel Alale** is a transfer student studying computer engineering with a minor in technology entrepreneurship. He was awarded the Frederick Douglass Scholarship after receiving an associate's degree from Prince George's Community College. He currently serves on the board of Louis Stokes Alliances for Minority Participation (LSAMP) STEM Program and is a peer mentor for LSAMP Transfer Connections, serving STEM students and transfer students of color. He is also a member of Hinman CEOs and a peer tutor working with students at community colleges and high schools. After graduating from Maryland, Excel hopes to continue his studies in graduate school.

**Ashley Henriquez** is an electrical engineering student and a mother before anything. She has conducted research in the labs of Dr. Osvaldo Gutierrez in the chemistry department. She is researching materials at the Center for Integrated Quantum Materials. She also provides tool development support at The Aerospace Corporation in the Astrodynamics Department. She has taken up the Latin American Studies Certificate Program offered at the University of Maryland. Ashley is currently a peer mentor for transfer students like herself, through programs provided at the Center for Minorities and Science and Engineering.

**Christian Moreira** is a junior civil engineering student. He currently serves as the vice president of corporate affairs for the Society of Hispanic Professional Engineers and Chair of the Executive board for the College Success Scholars Program, run through the Office of Diversity and Inclusion. He is also a student worker for the Center for Minorities in Science and Engineering (CMSE) working on updating the CMSE website. After graduating, Christian plans to pursue a career in the water resources field.

**Amida Koroma** is a junior psychology and bioengineering student in University Honors. She is a member of the Diversity and Inclusion Council and has conducted research with the civil engineering department at the University of Kentucky on COVID-19 degradation in wastewater. She is a program assistant for the Louis Stokes Alliances for Minority Participation (LSAMP) Bridge Program that supports incoming freshmen entering engineering as minorities. Amida is pursuing psychology whilst also maintaining her interests in biology by deciding to pursue a master's as a physician assistant.

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2021 HONORS AND AWARDS

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The **Dinah Berman Memorial Award** is presented to a third-year engineering student with a 4.0 grade point average who has combined academic excellence with demonstrated leadership or service to the Clark School.

*Awarded to **Adithya Arun***

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The **A. James Clark School of Engineering Leadership Award** is presented to a student who has demonstrated outstanding leadership to the Clark School in activities that impact all engineering majors.

*Awarded to **Priscilla Lee***

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The **Kim Borsavage and Pamela J. Stone Student Award for Outstanding Service** is presented to a student who has demonstrated outstanding dedication and service to the Clark School and is a truly unique individual whose contributions to the school exemplify a high level of dedication and service.

*Awarded to **Yasmine Pierre***

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The **A. James Clark School of Engineering International Leader Award** is presented to a student who through their leadership or service has promoted the international engineering experience on behalf of the Clark School and has demonstrated significant involvement in international engineering activities.

*Awarded to **Sabrina De Nicola***

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The **A. James Clark School of Engineering Dean's Award** is presented to a senior for scholastic excellence and demonstrated outstanding service and leadership to the Clark School of Engineering.

*Awarded to **Abigail Meyer***

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ABOUT THE AWARDEES

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**Adithya Arun** is a junior aerospace engineering and computer science student with a 3.98 GPA. He is a member of the Aerospace Engineering Honors program and was in the First-Year Innovation & Research Experience (FIRE) Autonomous Unmanned Systems Stream in past semesters. He is also a research assistant in the Space Systems Lab and the Space Power and Propulsion Lab. As a co-founder of SEDS@UMD, he led the creation of UMD's first student-designed CubeSat with a research payload. Adithya will be interning at Tyvak Nano-Satellite Systems this summer and is excited to work as a resident assistant next fall.

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**Priscilla Lee** is a senior bioengineering student with a minor in global engineering leadership. She has served as the chair for the Women in Engineering Student Advisory Board, a Women in Engineering mentoring program coordinator, and is the president of Alpha Omega Epsilon. Priscilla is also an undergraduate research assistant in the Bioengineering Maisel Lab, an active Clark School Ambassador, and a member of the Bioengineering Diversity, Equity & Inclusion Committee. She was a part of the QUEST Honors Program, Flexus, and the First-Year Innovation & Research Experience (FIRE) program. Priscilla will finish her master's degree through the BS/MS program at UMD and then begin work as a Technology Analyst at Accenture.

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**Yasmine Pierre** is a junior bioengineering student in QUEST (Quality Enhancement Systems and Teams) Honors Program and the current undergraduate representative for the Clark School's Diversity Council where she introduced the anti-racist and inclusive engineering curriculum initiative. She is an alumna of the First-Year Innovation & Research Experience (FIRE) program, in which she led and presented award-winning research funded by the NSF Louis Stokes Alliances for Minority Participation Undergraduate Research Program. She mentors students with the Black Engineers Society, FIRE, Flexus, and in the Center for Minorities in Science & Engineering. Yasmine will be interning at Dell Technologies this summer working on sustainable material innovations.

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**Sabrina De Nicola** is a junior bioengineering student with a minor in sustainability. She is a member of the Bioengineering Honors Program, where she is working towards completing a research thesis on bioaugmentation techniques to combat stormwater pollution. She received the Gilman International Scholarship to study abroad at the Universidad Pontificia Comillas in Madrid, Spain. Sabrina is also co-president of UMD's chapter of Engineering World Health and a peer mentor for the Society of Women Engineers. She plans to pursue a Ph.D. in environmental engineering.

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**Abigail Meyer** is a mechanical engineering senior who has been involved with the Flexus Living and Learning program, University Honors, and the Women in Engineering (WIE) community. She has been a committed member of Terps Racing where she is part of the Baja Team, serving as team captain for the last three years. Within the WIE Program, she has volunteered for many of their events through which she introduced girls to the STEM fields. Abby has accepted a position at Oshkosh Corporation in a rotational engineering program and is excited to be moving to Wisconsin.

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## A. JAMES CLARK SCHOOL OF ENGINEERING ADVISOR AWARD

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### 2021 HONORS AND AWARDS

The **Student Advising Award for Professional Staff** in the Clark School of Engineering recognizes staff excellence in undergraduate or graduate student advising.

*Awarded to **Dr. Isabella Kolar***

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### ABOUT THE AWARDEE

**Dr. Isabella Kolar** is a senior Academic Advisor in the Department of Civil and Environmental Engineering, where she has worked for almost five years. She enjoys helping students solve problems and achieve their goals, and is being recognized for her passion for advising, her availability to students and faculty, and her empathetic nature, especially during the pandemic. Dr. Kolar is also applauded for her willingness to take on additional responsibilities in the department, such as their Student Spotlight Interviews, which she writes for their website.

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2021 HONORS AND AWARDS

**Congratulations to all the students being recognized for their contributions to the Clark School, the University of Maryland, and the campus community.**

The Honors and Awards Ceremony Planning Committee wishes to thank the staff and faculty of the A. James Clark School of Engineering, Office of Communications, Engineering Information Technology, and Office of the Dean, as well as Interim Dean Rob Briber and Associate Dean Ken Kiger, for their assistance and support. We also thank the family and friends of the awardees for joining us in recognizing these outstanding students.

*2021 Honors and Awards Ceremony Planning Committee*

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**Suzanne Ashour-Bailey**

**Rachael Bennett**

**Kristen Byers**

**Christal Dimas**

**Liz Galvin**

**Amanda McClish**

**Nicole Roop**

**Erin Wessell**

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*Front cover photo courtesy of **Alan Santos**, Director, Student Services, Civil and Environmental Engineering.*



**A. JAMES CLARK**  
SCHOOL OF ENGINEERING

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