

ANTHONY (TONY) JONES

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Boteler Lane, College Park, MD

EDUCATION

University of Maryland

B.S. Bioengineering

- Dean's List

GPA: 3.98

College Park, MD

Expected May 2025

Fall 2021 – Spring 2022

SKILLS

Laboratory: Bacterial culture, Stem cell culture, Gel Electrophoresis, ELISA, FRET, Western Blotting

Software: MATLAB, LabView, Microsoft Office Suite

TECHNICAL EXPERIENCE

Sienna Biopharmaceuticals

Intern (Offer Accepted, rescinded by company due to budget cuts)

Westlake, CA

May 2024 – Jul. 2024

University of Maryland – Virology Laboratory

Team Member

College Park, MD

Jan. 2024 – May 2024

- Evaluated potential antibodies for COVID-19 on a team of six other undergraduate students
- Utilized ELISA in order to test coronavirus binding affinity to well documented viral antibodies
- Proposed experimental plan to contribute towards characterizing COVID-19 in a 20-page design report & one-hour presentation to UMD and NIH faculty

NIH Oncology Lab

Researcher

College Park, MD

Jan. 2022 – May 2022

- Determined potential of an unknown medication as a cancer treatment by identifying apoptosis in HL60 Leukemia cells
- Performed Cell Viability Dye-Exclusion, Mitochondrial Membrane, Annexin V/Propidium Iodide, and Colorimetric Caspase Activity Assays, as well as Western Blotting to monitor caspase and antibody activity of HL60 cells treated with unknown medication
- **Publication:** Swollman, R.; Capone, T; **Jones, A**, Apoptosis in HL60 Leukemia Cells. Journal of Engineering Topics 2018, vol. 10, pp 75-94.

LEADERSHIP EXPERIENCE

Meals on Wheels

Volunteer

Spring, MD

Mar. 2020 – Present

- Helped deliver groceries to homebound elderly that could not safely purchase their own
- Coordinated with other volunteers to strategize and use proper safety measures

ACTIVITIES & AFFILIATIONS

Engineering World Health – *General Body Secretary*

Sept. 2021 – Present

Biomedical Engineers Society – *Member*

Sept. 2021 – Present

Alumni Cup – *Bioengineering Team, Rube Goldberg Machine Competition*

Feb. 2023