

# ANTHONY (TONY) JONES

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## 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

### Pfizer

*Intern (Offer Accepted, Rescinded by Company Due to budget cuts)*

Collegeville, PA  
*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*