

# NICOLE MIKO

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## EDUCATION

### University of Maryland, College Park

Dual Degree: Biological Sciences & Public Health Science

Minor: Sustainability Studies

GPA: 4.0

*Expected graduation date: May 2024*

### University Honors Program Banneker Key Scholar

### Eleanor Roosevelt High School, Greenbelt

Science, Technology, Engineering, and Math (STEM) Program

Class of 2020 Salutatorian

Second Grand Prize, Spring 2020 Science Fair

*August 2016-May 2020*

## EXPERIENCE

### Intern, Center for Brain and Neuro Care

Scanned and attached patients' documents in the EMR; greeted patients as they arrived; shadowed the neurologist.

*Summer 2021-present*

### Researcher, Sustainable Agricultural Systems Lab, USDA

Conducted research with mentor to determine how the polyamine biosynthetic pathway in transgenic tomato plants affected plant development and their response to environmental stress factors. Took morphological measurements; learned PCR and RNA isolation.

*Fall 2019-Spring 2020*

### Summer Intern, NASA Goddard Space Flight Center

Identified and organized electronics and mechanical parts; assembled temperature sensor diodes; calibrated an infrared sensor against a blackbody, created sample circuit boards; documented and analyzed infrared images and video; participated in the photolithography process.

*Summer 2016-Summer 2019*

## COMMUNITY INVOLVEMENT

### UMD Campus Pantry

Served those within the UMD community to alleviate food insecurity; helped organize perishable and nonperishable food items, set up and broke down distribution area.

*Spring 2021-present*

### Habitat for Humanity: Habitat Restore

Provided customer assistance, organized donations, transported furniture and home appliances.

*Spring 2021*

## EXTRACURRICULAR ACTIVITIES

### Secretary, American Society for Biochemistry and Molecular Biology

Facilitated a professional development night and acted as a liaison between students and professionals in science-based fields. Engaged in club communications with members; worked with e-board to organize club events including a science experiment demo for elementary school students

*Fall 2020-present*

### Healthcare Disparities Committee, American Medical Student Association

Discussed issues within the healthcare industry and actionable solutions with other future healthcare professionals; collectively created a deliverable highlighting our main topics and points

*Fall 2020-present*

### Doctors Without Borders

Volunteered at the College Park Pregnancy Aid Center and attended regular club meetings

*Spring 2021-present*