

Michelle Chen

(732) 307-0011 | mchen115@jhu.edu | Baltimore, MD

EDUCATION

Johns Hopkins University

Bachelor of Science: Chemical & Biomolecular Engineering (GPA: 3.82)

- Dean's List: Fall '17, Spring '18

Baltimore, MD

Expected May 2021

WORK EXPERIENCE & PROJECTS

The Hur Lab at Johns Hopkins University

Undergraduate Research Assistant

- Studying the effect of varying lipid concentration on liposome formation, determined by fluorescent imaging and membrane stiffness measurement of artificial vesicles

Baltimore, MD

September 2018-Present

Food and Drug Administration

Oak Ridge Institute of Science and Engineering (ORISE) Fellow

- Identified and organized problems in data by analyzing over 8,000 thermal images
- Performed statistical analysis on Excel to compare differences between temperatures on various areas of the face and to the accepted temperature obtained by an oral thermometer
- Drafted paper on study investigating the viability of using different facial locations to correlate skin surface temperature with core body temperature using infrared cameras for febrile patient detection (Publication in progress)

Silver Spring, MD

May-July 2018

STUDENT LEADERSHIP & ACTIVITIES

Intercollegiate Taiwanese American Students Association (ITASA)

National Information Assistant Director

- Streaming website design from front- and backend to maintain user-friendliness and efficiency
- Updating files, articles, resources, and pictures with the most current information
- Managing the national board roster, database, and cloud storage system for archiving purposes

Baltimore, MD

August 2018- Present

Johns Hopkins University Taiwanese American Students Association (jhuTASA)

Junior Officer

- Participated in weekly board meetings to pitch ideas and organize 3-4 events and fundraisers per semester to generate awareness of Taiwanese culture on campus

Baltimore, MD

October 2017- May 2018

Secretary

- Coordinating with other student groups for events and kept in contact with JHU administration
- Acting as a link between the different committees on the general board
- Documenting and sending weekly meeting minutes emails to the executive board and junior officers
- Updating the general body club members of upcoming events

September 2018- Present

Johns Hopkins University Engineers Without Borders (jhuEWB)

Local Development Committee Member

- Attending weekly meetings to work on a parklet project to be installed in Union Square, Baltimore
- Staying updated with the parklet community by drafting emails and updating the community contacts
- Proposing design alternatives and working with professional engineers to finalize design

Baltimore, MD

October 2017- Present

COMMUNITY SERVICE & VOLUNTEERING

Johns Hopkins University Baltimore First

Volunteer

- Volunteered at Carmine Gardens bimonthly in order to maintain and beautify the land in a sustainable way
- Cleaned and removed weeds from fences, land plots, and mulch beds
- Germinated and planted vegetables to promote communal agriculture in the community

Baltimore, MD

October 2017- Present

SKILLS

Technical: Microsoft Office (Excel), Vegas Pro 13.0

Laboratory: Cell Culturing, DNA isolation and extraction, Gel electrophoresis, ELISA