

Jessica Choi

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Education

University of Maryland | B.S. in General Biology

College of Computer, Mathematical and Natural Sciences

College Park, MD

December 2021

Minor: Asian American Studies

GPA: 3.6/4.0

Activities: Korean Student Association (KSA), Chinese Student Association (CSA)

Past Coursework: Bio-informatics, Organic chemistry 1|2, Biochemistry of Physiology, Cell Biology & Physiology, Molecular Genetics, Physics 1|2, Virology

Technical Skills

Languages: Python, JavaScript, HTML/CSS, LaTeX

Tools/Technologies: React, Linux/Unix

Work Experience

GeneDx

Specimen Processor

Gaithersburg, MD

April 2020 - January 2021

- Received and triaged all COVID-19 testing specimens while performing quality control for the accessioned data
- Assigned accession numbers to 200-400 specimens per day and entered in patient and facility information into the LIMS database with adherence to HIPAA

FIRE(First-Year Innovation Research Experience Program

Student/Mentor

College Park, MD

August 2017 - May 2019

- Dissected *T. dalmanni* larvae to isolate DNA via Chelex method and performed PCR and gel-electrophoresis for larval genotyping
- Used TRIzol to extract RNA from controls and infected *T. dalmanni* flies with *E. coli*
- Used qrt-PCR and RNA sequencing to analyze the expression of genes of interest in larval and adult flies after a bacterial infection
- Used GraphPad Prism to generate graphs of qPCR data and assessed RNA quantity and quality with NanoDrop
- Guided students throughout lab experiments and helped the professor maintain supply of *Drosophila melanogaster* flies and reagents

Note taker

Student

College Park, MD

August 2019 - December 2019

- Took bio-metrics course notes for accessibility & disability service (ASD) students throughout the fall semester

Projects

Portfolio

- A personal website made with React.

Skills & Interests

Languages: English (Native), Korean (Proficient), Chinese (intermediate)

Interests: Photography, baking, reading, hiking, plants