

SKILLS

LABORATORY

Bacteria Assay Cell Culture Image Analysis Protein Purification Nanoparticle Synthesis Reagent Preparation HFC Electrode Assembly Langmuir-Blodgett Trough

COMPUTER

Java

Python

R

HTML

CSS

GitHub

Microsoft Office

ART

Adobe Photoshop Adobe Illustrator Adobe InDesign Procreate

RESEARCH EXPERIENCE

WONG LABORATORY- Brown University

September 2019-Present

PLME Summer Research Assistantship

- Explored TCGA clinical data and differential gene expression using edgeR Investigating cancer cell motility in engineered and organ specific matrices

PARK LABORATORY- Boston Children's Hospital

Summer 2019

Summer Research Intern within Respiratory Diseases division

- Streptococcus Pneumoniae Killing Assay with CRAMP, ZmpB/ZmpC knockouts
- Glypican 3, Syndecan 1 CHO Cell Culture and Purification

Garcia Center for Polymers at Engineered Interfaces at Stony Brook University

 "Optimizing Molar Ratios of AuAg Alloy Nanoparticles to Improve Efficiency of Proton Exchange Membrane Fuel Cells"

Siemens Competition Semifinalist

WORK EXPERIENCE

RESIDENTIAL PEER LEADER (RPL)- Brown ORL

2019-2020

Community Assistant, oversaw residents and provided educational programming.

PINNACLE EDUCATION GROUP

Summer 2018

- SAT, ESL, Living Environment Tutor
- Organized curriculum and activities for advanced students

EDUCATION

BROWN UNIVERSITY

Class of 2022 GPA: 4.0/4.0

Sc.B Biology, A.B. Computer Science

Program in Liberal Medical Education

- 8-year Combined BA/MD Program

Coursework: Biological Design; Organic Chemistry I; Human Physiology; Object-Oriented Programming; Data Structures & Algorithms; Discrete Structures & Probability; Biochemistry; Genetics; Computational Molecular Biology; UI/UX; Software Engineering

GENERAL DOUGLAS MACARTHUR HIGH SCHOOL

Class of 2018

National AP Scholar

Valedictorian

National Merit Scholar

GPA: 104.18

Presidential Scholar Candidate

LEADERSHIP EXPERIENCE

Create@Brown 2020- PRESENT

Co-Founder

PLME Senate Secretary 2019- PRESENT

Executive Board member

Meiklejohn Peer Advisor 2020-PRESENT

Brown Smart Woman Securities, CMO

2018- PRESENT

Focus on enhancing financial literacy, enhancing public outreach, design

MACARTHUR Science Olympiad President

2014-2018

Led team to States for 1st time in school history, 2nd at Regionals

Student Government, National Honor Society Treasurer

Orchestra Concertmaster, All-County, LISFA, Pit President, Tri-M VP