

Goal: Looking for a Summer 2022 internship with a private or public-sector engineering firm

EDUCATION

BROWN UNIVERSITY- PROVIDENCE, RI | 2024

Double Major in Biomedical Engineering and Religious Studies
Expected graduation

- Mentor, Brown Design Workshop - teaching beginning engineering students about design process and how to use tools and machines in main shop | 2021-
- Executive Board Member, Society of Women Engineers | 2020-
- Active member, Brown RISD Hillel | 2020-

SEATTLE ACADEMY OF ARTS AND SCIENCES – SEATTLE, WA

Graduated | June 2020

- High Honor Role all four years, GPA: 3.93/4.0
- Calculus II, Debate, Honors Advanced Chemistry, Honors Physics, Honors Biology, Honors English, Honors History

WORK EXPERIENCE

ROBOTICS MENTOR | 2021-

The Wheeler School

- Provide assistance to high school robotics team on all aspects of FIRST robotics
- Teach engineering concepts and mechanism design

TUTOR | 2020-

- Math and Chemistry – Grades K-10

LAB INTERN | 2021

Brown University, Naik Lab

- Ran a protein purification project
- Investigated the interaction of CaM and a binding site on a drug in development

LAB INTERN | 2020

Fred Hutchinson Cancer Research Center, Torok-Storb Lab

- Conducted a colony assay project for cancer research
- Studied viability of fresh and frozen canine blood cells for cancer research

SITE DIRECTOR | 2020

Girls Rock Math

- Co-taught summer math camp for girls
- Helped to manage teams of camp counselors
- Conducted weekly meetings for camp counselors

HIGH SCHOOL SUMMER RESEARCH INTERN | 2019

Fred Hutchinson Cancer Research Center, Walter Lab

- Conducted RNA sequencing project
- Investigated the viability of CD33 protein as a target for an Acute Myeloid Leukemia antibody treatment
- Presented findings at summer research symposium

TECHNOLOGY INTERN | 2018

The Bertschi School

- Fixed/Updated school machines and software
- Prepped machines for upcoming school year

PERSONAL

Born in Chongqing, China • grew up in Seattle, WA • love hiking, backpacking and bouldering • avid baker • NYT spelling bee fanatic

REFERENCES

Available Upon Request

ACTIVITIES

FIRST ROBOTICS | 2013-2020

Competed in FIRST Lego League, Tech Challenge and Robotics Challenge programs throughout middle and high school
Dean's List Finalist | 2019

- Team Co-Captain - led team of 45, Won Rookie Allstar Award and Second Seed Alliance at Districts | 2019-2020
- Team Co-Captain - led team of 12, Won Think Award at FIRST World Championships | 2018-2019
- Fabrication Lead - delegated tasks to a sub-team of 8, Finalist Alliance Captain at FIRST World Championships | 2017-2018
- Team Captain - led team of 12 | 2016-2017

SEATTLE ACADEMY MIDDLE SCHOOL ROBOTICS | 2016-2019

Mentored middle school robotics teams

- Helped students prepare for competition
- Taught students fabrication skills

A.C.E MENTORING PROGRAM | 2017-2018

Mentored by Seattle Architecture, Construction and Engineering professionals

- Worked with group of 12 to design building plan
- Developed structural engineering plans

BERTSCHI SCHOOL SUMMER CAMP | 2013-2016

Camp Counselor

- Worked in arts and crafts, outdoors, and robotics day camps

SKILLS

LEADERSHIP

Project Management • Communication • Conflict Resolution • Time Management • Strategic • Planning/Scheduling • Budget Management

COMPUTER

C.A.D. Software: Solidworks, Fusion 360 • Programming: Matlab • Microsoft Suite: Excel, Word, PowerPoint • G-Suite: Sheets, Docs, Slides, Forms • Adobe Suite: Illustrator, Photoshop, Acrobat Pro • Zoom: Host meetings

TOOLS

Mill, Lathe, Belt Sander, Hand Drill, Angle Grinder, Dremmel, Soldering Iron, Sewing Machine, Nail Gun, Band saw, Chop saw, Circular saw, Miter saw, Scroll saw, Track saw, Jigsaw

LAB

Gel electrophoresis, Polymerase Chain Reactions, restriction enzyme digests, DNA and RNA purification, mini and maxi preps, tissue cultures, plating colonies, running columns



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