



**Goal: Looking for a Summer 2023 internship with a private or public-sector consulting engineering firm**

## EDUCATION

### BROWN UNIVERSITY- PROVIDENCE, RI | 2024

Double Major in Mechanical Engineering and Religious Studies

Expected graduation: 2024

GPA: 3.73/4.0

- 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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