

## WORK EXPERIENCE/SERVICE

### UHDS FOOD SERVICE WORKER · UHDS

FALL TERM 2019 – WINTER TERM 2020

- Provided customer service by doing various tasks such as greetings students, preparing food, answering questions, cleaning up and shutting down the dining hall in several concepts

### RESIDENT ASSISTANT · UHDS

SUMMER TERM 2020 - PRESENT

- Peer leader for first year college students that facilitated a sense of community, ensured a safe living environment, and promoted social justice education and residential education for over 700 students overall in the dormitories

### SCHOLAR HOUSING ASSISTANT · UHDS

SUMMER TERM 2020

- Collaborated with a small team and developed an extensive plan to coordinate different tasks preparing for residence hall transition in accordance with COVID-19 regulations as well as prepped and organized linen for scholar housing guests

### TEACHING ASSISTANT · OSU DEPARTMENT OF CHEMISTRY

FALL TERM 2020 - PRESENT

- Led small break out groups during zoom lectures and facilitated in-person learning for the General Chemistry series at OSU, independently taught several small lab sections, held office hours

### LEARNING ASSISTANT · OSU DEPARTMENT OF MATH

FALL TERM 2020

- Assisted in the learning for Math 251 students (differential calculus) in synchronous remote learning and e-campus modality by answering questions promptly in chat and referring to resources
- Led studios, graded assignments and held office hours for CHE331: Fluid Transport Phenomena.

### CHEMISTRY TUTOR · HONORS COLLEGE

FALL TERM 2021 - PRESENT

- Led Discord server for General Chem and Organic chemistry within the Honors Dorms. Posted weekly worksheets, answered questions, held weekly office hours, scheduled 1:1 appointments and held group review sessions

## RESEARCH EXPERIENCE/PROJECTS

### SUBRAMANIAN RESEARCH GROUP

WINTER 2021 – PRESENT

- Synthesized solid solutions of nonstoichiometric compounds using traditional solid-state synthesis techniques and characterized data of various solid solutions to better understand structure-property relationships through various compositions
- Synthesized a series of layered double perovskites to characterize and obtain enhanced thermoelectric properties

### MATERIALS AND DISCOVERY LAB

SPRING 2021 – PRESENT

- Sole researcher for use of reticular synthesis of chiral metal-organic frameworks (MOFs) for enhanced enantioselective drug separations
  - Honors College Thesis, present biweekly research
- Sole researcher in optimizing and comparing the catalytic activity of differing oxidized metals in MOFs for the conversion of carbon dioxide to value added products

### ELECTROCERAMICS RESEARCH GROUP

FALL 2021 – PRESENT

- Collaborated with an international company in development and synthesis a new type of ceramic capacitor to be placed within cellphones with desired properties

## EDUCATION

### HONORS B.S. CHEMICAL ENGINEERING · OREGON STATE UNIVERSITY

SPRING 2023

- 3.67/4.00 GPA
- Chemistry minor · Material Science minor

## AWARDS/RECOGNITIONS

### Goldwater Scholar Nominee

JANUARY 2022

-Nominated as one of the five students from OSU to represent the institution for the national prestigious Barry Goldwater Scholarship, a scholarship for undergraduate researchers with the highest potential to pursue a Ph.D. degree. Awaiting scholarship selection in spring.

### Dianne Finklein Memorial Scholarship

2021

-Residential education award for upholding the ideals and memory of Dianne Finklein who was a resident director at Oregon State. Awarded for positive contribution and involvement in my on-campus living community.

### Peter and Rosalie Johnson Scholarship

2021

-Academic merit scholarship for those within Chemical, Biological, and Environmental Engineering.

### Daniel T. Bain "Embrace Life" Memorial Scholarship

2020

- Competitive scholarship for students who have overcome mental health barriers, sought treatment, and plan to "embrace life".

### Weatherford Education Fund

2020

-Academic merit scholarship for those within Chemical, Biological, and Environmental Engineering.

### Edna Galaster Endowment Scholarship

2020

-Academic merit scholarship for those within Chemical, Biological, and Environmental Engineering.

## OTHER INVOLVEMENT

### Tae Kwan Doe Club

FALL TERM 2021

Participate in practicing of skills related to self defense and performing martial arts

### CBEE Club

FALL TERM 2021

Informational club for chemical, biological and environmental engineers to engage with faculty and guest speakers to learn about experience, engineering opportunities, and development of important skills for the profession.

### AICHE Member