

Iqra Ahmed Mohamud

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SUMMARY OF QUALIFICATIONS

- Excellent communication skills, critical thinking, and time management as demonstrated through student assignments, projects, and undergraduate research experience
- Leadership experience as demonstrated from multiple positions held in the College of Engineering at the University of Washington
- Proficient in performing organic and inorganic chemical reactions with the use of various lab techniques
- Team-player who can also work independently in technical and non-technical roles
- Programming: Python (moderate), Java (moderate), JavaScript (moderate), Machine Learning (beginner), HTML (beginner), and SQL (beginner)
- Software: Google Colaboratory(moderate), Jupyter Notebook (moderate), and MATLAB (moderate)

EDUCATION

University of Washington

Seattle, WA

Bachelor of Science in Chemical Engineering

Expected June 2023

Relevant Coursework: Quantum Mechanics for Chemical Engineers

Green River Community College

Auburn, WA

Associate of Science Transfer in Chemical Engineering

December 2020

RELEVANT EXPERIENCE

University of Washington

Seattle, WA

C-Hacker, Chemical Engineering Hackathon (C-Hack) 2022

January 3-14, 2022

- Solved Chemical Engineering problems presented by DOW in Python
- Utilized Google Colaboratory to import, clean, and code data
- Computed in HTML to place markdowns on notebook
- Accessed proprietary corporate data and maintained confidentiality
- Modified panda, visualization, and clustering to model DOW data
- Presented data analysis to DOW and UW faculty
- Awarded a certificate in completion of the Hackathon at the University of Washington

Undergraduate Research Intern, Clean Energy Bridge to Research (CEBR)

June – August, 2019

- Synthesized pi-conjugated polymers with a variety of organic chemical reagents and lab techniques
- Utilized HNMR spectroscopy and MestreNova to analyze the chemical product, composition, and yield
- Presented data and findings to 100+ people in all disciplines without the use of jargon
- Communicated with PI, graduate students, and mentors on progress and results
- Maintained safety protocols in the lab and honesty when reporting results to PI

SELECTED ADDITIONAL EXPERIENCE

University of Washington

Seattle, WA

Undergraduate Chair, Diversity, Equity, and Inclusion (DEI) Committee

October 2021-Present

- Implemented initiatives that increased access and inclusivity within the Chemical Engineering Department
- Discussed overall biases and accessibility concerns within the Chemical Engineering department

ASUW Liaison, College of Engineering Student Advisory Council (COESAC)

November 2021-Present

- Improved In-Person and Hybrid Learning Transition in the College of Engineering
- Provided insights on how to be accommodating to all students in the College of Engineering
- Addressed the Sick Policy and DRS Exam Protocols in regards to Covid
- Initiated a proposal addressing a number of concerns and flaws with In-Person Learning