ALYSSA HUQUE

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EDUCATION

SEPTEMBER 2017 - JUNE 2021

The University of Oregon, Eugene, OR

Bachelor of Science Dual Degree - Mathematics & Computer Science, Political Science

TECHNICAL EXPERIENCE

SEPTEMBER 2020 – PRESENT

Mathematics Teaching Assistant, UO Mathematics Department, Eugene, OR

— Taught math lab for MATH105 and MATH107, held office hours, and graded exams and homework.
— Was a TA during the COVID-19 pandemic so had the additional responsibility of guiding students through remote education.

JUNE 2020 – AUGUST 2020

Global Technology Intern, Nike - Enterprise Service Management Engineering, Beaverton, OR

— Created a bot to resolve low complexity Excel issues without human interaction.
— Built two predictive intelligence models to automatically route internal technology requests to the correct department.

SEPTEMBER 2019 – JUNE 2020

Artificial Intelligence Research Assistant, UO Computer & Information Science Department - Artificial Intelligence Lab, Eugene, OR

— Investigated how neural networks could be used to improve computer simulations of security game theory.
— Conducted literature reviews, built a basic neural network, and tested the processing of data.

JUNE 2019 – AUGUST 2019

Informatics Intern, Oregon Health & Science University - Department of Medical Informatics and Clinical Epidemiology, Portland, OR

— Developed a software program in python 3.6 to parse electronic health records (EHRs) and transform the data into the standardized data model in order to improve the quality of data and analyses that come from research and clinical trials.

JANUARY 2018 – MARCH 2019

Department Grader, UO Mathematics Department, Eugene, OR

— Graded students' assignments in calculus, business calculus, and statistics.

JULY 2015 – AUGUST 2015

Intern, Intel Research and Development, New Devices, Hillsboro, OR

— Calculated the power conversion efficiency of various types of solar cells in wearable health devices to inform product design.

LEADERSHIP EXPERIENCE

AUGUST 2018 – JUNE 2020

Resident Assistant, UO Housing, Eugene, OR

— Trained as a mentor, mediator, and in emergency response protocol for medical and mental health crises and bias incidents.

AWARDS

Nike 2020 NTCX Case Study Competition Winner

— Presented an idea to utilize NTC to promote the Paralympics

Presidential Undergraduate Research Scholar

— Competitive fellowship awarded to students involved in research.

Wayne Morse Scholar

— Political Science scholars program for outstanding students.

SKILLS

Python, C, UNIX, VIM/VM, VirtualBox with Arch Linux, IDLE, ServiceNow, Flask, XML, Windows, PyCharm, Powershell, Wordpress, Microsoft applications, basic HTML, public speaking