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 (GPA: 3.63)

TECHNICAL EXPERIENCE

SEPTEMBER 2019 – PRESENT

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

— Conducting research to improve sustainability in wildlife protection by creating a predictive behavior model using game theory
— Integrating machine learning and natural language processing to analyze how newspaper coverage influences political events.

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.
— Organized and standardized 200,000 EHRs. Software to be expanded to full data warehouse of over two million data records.

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

— Tested and calculated the power conversion efficiency of various types of solar cells in wearable health devices.
— Analyzed and presented power consumption efficiency data that informed product design.

LEADERSHIP EXPERIENCE

AUGUST 2018 – PRESENT

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.

SEPTEMBER 2015 – JUNE 2017

Online Editor, LOHS Lake Views, Lake Oswego, OR

— Utilized WordPress to create and manage the LOHS Lake Views website, www.lohslakeviews.com

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, XML, Windows, PyCharm, Powershell, Wordpress, Microsoft applications, basic HTML, public speaking