

ALYSSA HUQUE

alyssahuque@gmail.com
www.alyssahuque.com
www.linkedin.com/in/alyssahuque
www.github.com/alyssahuque

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, Eugene, OR

- Conducting AI research to improve sustainability in wildlife protection by creating a predictive behavior model to anticipate poacher actions.
- Utilizing game theory to maximize conservationists' efforts.
- Integrating machine learning and natural language processing to analyze historical records of slave rebellion and track how newspaper coverage influenced other political events.

JUNE 2019 – AUGUST 2019

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

- Transitioned electronic health records (EHRs) to a standardized relational database to improve the quality of data and analyses that come from research and clinical trials.
- Developed a software program in python 3.6 to parse EHRs and transform the data into the standardized data model.
- 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 and was responsible for student grade entry.

JULY 2015 – AUGUST 2015

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

- Tested and calculated the power conversation efficiency of various types of solar cells.
- Analyzed and presented power consumption efficiency data that informed product design.

LEADERSHIP EXPERIENCE

AUGUST 2018 – PRESENT

Resident Assistant, UO Housing, Eugene, OR

- Directly supervised over 80 students.
- Coordinated programming, served as a mentor on personal and academic issues, trained in mediation and emergency response 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

Presidential Undergraduate Research Scholar

- Competitive fellowship awarded to students involved in research.

Wayne Morse Scholar

- Political Science scholars program for notable students.

SKILLS

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