

Sally Bass

GRADUATE STUDENT | DEEP LEARNING RESEARCHER

☎ (253) 514-3880 | ✉ sa.bass1221@gmail.com | in sally-bass

Education

Computer Science MS

Bellingham, WA

WESTERN WASHINGTON UNIVERSITY

Expected Dec. 2022

- Fast Track Masters Program
- Research Focus: Deep Learning with Transformers

Computer Science BS, Linguistics Minor

Bellingham, WA

WESTERN WASHINGTON UNIVERSITY

Awarded Jun. 2021

- Graduated with CS Honors due to exemplary GPA and completion of graduate level classes
- Degree GPA: 3.36

Experience

Deep Learning Research Assistant

Bellingham, WA

WESTERN WASHINGTON UNIVERSITY

Apr. 2019 - PRESENT

- Collaborated on projects consisting of 2-4 people centered around audio and speech data, as well as astronomy image data.
- Participated in weekly reading group meetings focused on reviewing newly published research papers about deep learning methods.
- Contributed to the Machine Learning for Astronomy: TESS project (see Projects section).

CS Graduate Teaching Assistant

Bellingham, WA

WESTERN WASHINGTON UNIVERSITY

Sep. 2021 - PRESENT

- Responsible for multiple lab sections, consisting of 20 students per section each quarter, where I assisted students with coding problems and instructed students on proper coding syntax and conventions.
- Helped students learn and understand different computer languages such as C, Python, and Racket.
- Graded weekly lab assignments and quizzes, providing helpful feedback for students through comments.

CS Department Tutor

Bellingham, WA

WESTERN WASHINGTON UNIVERSITY

Sep. 2020 - Jun. 2021

- Worked alone or in teams of two to remotely guide students through different coding or logic problems.
- Helped 3-5 students every 3 hour session.
- Tutored students in a variety of different computer languages such as Java, Python, C, and Racket.
- Guided students through entry level computer science problems surrounding data structures, algorithm analysis, and computer systems.

Projects

Machine Learning for Astronomy: TESS

Bellingham, WA

RESEARCHER

Apr. 2021-PRESENT

- Trained a Convolutional Neural Network (CNN) and a Perceiver model on star time-sequence data gathered from NASA's TESS satellite with the goal of accurately classifying a star and it's periodicity within a given time-sequence.

Travelling Salesman Project - Portal

Bellingham, WA

PROJECT MEMBER - UNDERGRADUATE SENIOR PROJECT

Sep. 2020 - Jun. 2020

- Developed a web application alongside two other development groups, TSP-App and TSP-Server, for the Bellingham Opportunity Council.
- Acted as project manager to ensure all development groups and the client were in communication.
- Our web interface allows users to upload excel files into a secure MySQL database and generate groups of delivery routes based on differing factors. These routes can then be viewed on a subpage of the website using the Google Maps API.

Skills

Languages Python, C, Racket, \LaTeX (this document), Java, JavaScript, SQL

Frameworks PyTorch Lightning, Hydra, Condor, SKLearn, Numpy, Flask

Related Coursework Machine & Deep Learning, Natural Language Processing, Transformers for Audio Data, Analysis of Algorithms I & II

Other VSCode, Vim, Linux, Windows 10, MacOS, Linear Algebra, Statistics