

Christopher Daw

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Education

Western Washington University

Bellingham, WA

Computer Science B.S., Math and Music Minor, Honors Program, GPA: 3.78 Expected: June 2020

Skills

Python (5 years) • Java (6 years) • C (3 years) • Unix/Linux • Machine Learning
Data Visualization • Leadership • C++ • Working Knowledge in JavaScript, HTML, and CSS

Work Experience

Software Engineering Intern

Seattle, WA

Dell Technologies

June - September 2019

- Designed and implemented a feature for the logging system on a large-scale distributed storage platform to allow users to customize alerts
- Developed an intuitive test framework to allow manual testing and ease development of automated tests for the alerts system
- Worked collaboratively with teams around the world using Slack, code reviews, and Git

Junior Systems Administrator

Bellingham, WA

WWU Computer Science Department

May 2017 - Present

- Spearheaded development of Puppet scripts to overhaul OS upgrades and ease future software updates and maintenance of 200 lab machines
- Undertook efforts writing a support wiki to familiarize hundreds of incoming CS students with a Linux lab environment after noticing the lack of a centralized location for basic information
- Developed and maintained utility software to increase productivity of the systems admin staff

Programming Projects • github.com/ChristopherDaw

Earthquake Prediction Neural Network

2019 Deep Learning Class Project

Designed and built a deep learning architecture to predict laboratory earthquakes based on literature review and topics studied in class. The architecture was composed of a Recurrent Neural Net to extract statistical features from the data followed by a 1D Convolutional Neural Net to interpret the features and predict the time until the next earthquake.

Slack Team Dictionary

2018-2019 Personal Project (WIP)

Drastically decreased lock combo lookup times for systems admins at WWU by designing and developing an app utilizing a Flask framework and PostgreSQL to implement key-value pair dictionaries in Slack.

pi.chrisdaw.net

2017-2019 Personal Project

Learned the basics of front and back end web development by building and hosting a full stack portfolio website for myself using a Raspberry Pi.

Extracurricular Activities

- Undergraduate research in machine learning and bioinformatics under Dr. Brian Hutchinson
- President of WWU A Capella Club
- Bass section leader in WWU's University Choir