

Hunter Anderson

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EDUCATION

University of Washington – Mathematics B.A.

September 2020 - June 2024

- Major: Mathematics | Minor: Data Science
- CS Courses: Computer Programming I & II, Data Structures and Algorithms, Software design & Implementation, Intro to ML, Linear Optimization, and Toolkits for Modern Algorithms.

PROGRAMMING EXPERIENCE

Formal Education

- Languages: Python, Java, MatLab, Wolfram Alpha, JavaScript, React, HTML, C++.
- Projects: Maps web application (front and back end). Noise filter for audio files. Image rescaling application.
- Implementation of Modern algorithms: Linear program solver, FFT, Kruskal's Algorithm, Karatsuba Multiplication, etc.
- Skills: Can effectively leverage data structures & software packages to solve real-world problems. Able to modularize large problems to create effective, logical solutions. Writes effective unit tests and good spec.

Individual Projects/Self Teaching

- Read "Hands on Machine-Learning with Scikit-Learn, Keras & TensorFlow" and completed majority of exercises. Covered Classification problems, Training Models (regression, gradient descent), SVMs, Decision Trees, and Ensemble Learning.
- Familiarity implementing machine learning algorithms & analyzing datasets on Kaggle. Competed in multiple competitions, primarily using the pandas and scikit-learn libraries.
- End-to-End ML Project: Collected and organized data from the popular MOBA 'League of Legends' and implemented a neural network to predict win/losses of competitive matches. Attempted to predict wins/losses using data acquired at times 0:00, 15:00, 20:00, and with post game statistics. Accuracy was 47%, 71%, 76%, and 96%, respectively.

MATHEMATICS

Formal Education

- Honors Accelerated Advanced Calculus, Topology, Linear Algebra, Differential Equations, Abstract Algebra, Real & Complex Analysis, Optimization, Combinatorics, Numerical Analysis, Probability, Quantitative Statistics for Data Science.

Putnam Competition

December 2021

- Competed in 2021 & 2022 Putnam Competition
- Familiarity with abstract structures in mathematics and solving computational/logic problems.

WORK EXPERIENCE

Discount Tire – Technician, Service Coordinator, and Salesman

February 2019 – November 2021

- Full time salesman over the summer (40-50 hrs/week) and part time Service coordinator during school (20 hrs/week)
- Coordinated & managed a team of 4-8 technicians to efficiently service vehicles.
- Experience working long hours in a fast paced environment, building relationships with coworkers and being part of a team.