

Connor O'Neill

Kirkland, WA | (425) 559-8036 | connoroneill704@gmail.com | [Personal Webpage](#) | [Personal Projects Repository](#)

Inquisitive and determined student who strives to tackle any challenge and work effectively with any team. Seeking internship opportunities to expand my computer science and data science skills while also gaining real world experience in the technology and data industry

EDUCATION

University of Arizona

B.S. Computer Science

B.S. Statistics and Data Science

Graduating May 2026

3.808/4.0 (Dean's List)

Relevant Coursework: Machine Learning, Systems Design, Data Structures/Algorithms, Artificial Intelligence, Discrete Math/Probability, Software Development, Web Programming

Recipient of the Arizona Distinction Tuition Scholarship

EXPERIENCE

Sahalee Country Club, PGA of America

Agronomy Department

Sammamish, WA

June 2023 - December 2024

- Implemented a web page into the agronomy department that included various features intended to improve the efficiency of the department which allowed the management to identify shortages in equipment, trends in data around the course, and track when specialized treatment had been applied to a specific area.
- Deployed this product into the agronomy department as a test to discover various issues within the application while also examining how useful it would be in a corporate setting for the management team.

PROJECTS

Flight Delay Forecasting Model using Machine Learning

Co-Creator

Tucson, AZ

March 2024

- Used various forms of exploratory data analysis such as daily precipitation plots and multidimensional scaling to discover key features that were affecting delays
- Designed a logistic regression model to predict the likelihood of a delay greater than 15 minutes using various weather data points that achieved an AUC score of 0.78, which demonstrates accurate predictive tendencies
- Implemented machine learning techniques and hyperparameter tuning to preprocess data and optimize the logistic regression model to achieve a more robust and reliable model

Stock Market Prediction Model

Creator

Seattle, WA

January 2024

- Created a Random Forest model to predict the upward trend of the S&P 500 using historical trends, individual stocks, and macroeconomic trends which achieves an average precision score of 0.65 across multiple tests
- Developed the model by integrating various datasets, cleaning the datasets to account for missing data, and using exploratory data analysis to discover important data trends.
- Improved the model through robust experimentation with important stock data, cross-validation and hyperparameter tuning

Movie API Database

Creator

Seattle, WA

May 2023

- Developed a web application to display a database of movies including the title, movie poster, and short description about the plot of the movie
- Utilized two separate APIs to gather the information for the database and implemented an infinite scroll aspect to the database to improve user experience
- Employed CSS visualization techniques to improve the style and appeal of the site

Agronomy Department Management App

Co-Creator

Tucson, AZ

Nov 2024

- Made an application with the ability to manage the different aspects of an agronomy department at a golf course by utilizing routes, models, databases, html, css, and javascript to allow for a friendly user experience and an efficient interface.
- Tested the application by creating a web server and inputting various test information into the database. Create various "companies" to confirm that all of the functionality is working as intended by the design.

SKILLS AND ABILITIES

Skills: C, Java, Python, JavaScript, TypeScript, C++, SQL, PyTorch, HTML, CSS, React, Assembly, Node.js, Database Design, Data Engineering, Operating Systems, Bioinformatic Algorithms

Languages: Spanish (Limited)