Connor O'Neill

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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   Graduating May 2026
B.S. Computer Science   3.87/4.0 (Dean's List)
B.S. Statistics and Data Science

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   Sammamish, WA
Agronomy Department   June 2023 - Present
- Participated on a team that maintained the Golf course to USGA guidelines and prepared the course each morning using the company's quality standards.
- Operated landscaping equipment to maintain putting surface to the desired stimp rating for a PGA event.
- 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.

PROJECTS

Flight Delay Forecasting Model using Machine Learning   Tucson, AZ
Co-Creator   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   Seattle, WA
Creator   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   Seattle, WA
Creator   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
- Utilized CSS visualization techniques to improve the style and appeal of the site

Agronomy Department Management App   Tucson, AZ
Co-Creator   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.
- Deployed this product into an actual 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.

SKILLS AND ABILITIES

Skills: C, Java, Python, JavaScript, TypeScript, C++, SQL, PyTorch, HTML, CSS, React, Assembly, Node.js
Languages: Spanish (Limited)