

EDUCATION

Applied Mathematics, B.S. - *University of California, Irvine*

Graduating June 2025

- Minor in Information and Computer Science
- Relevant Courses: Numerical Analysis, Real Analysis, Abstract Algebra, Linear Algebra, Probability, Statistics, Data Science, Differential Equations, Discrete Math, Math Modelling

Mathematics, A.S. - *Orange Coast College*

May 2023

- Relevant Courses: Calculus, Statistics, Matlab Programming, Python Programming, C++ Programming

PROJECTS

Analysis of Mushroom Attributes - <https://bit.ly/analysis-of-mushroom-attributes>

June 2024

- Cleaned and preprocessed raw data for analysis using pandas, numpy, and scikit-learn for data scaling and balancing in order to prepare the data for machine learning models
- Utilized machine learning models for binary classification to predict poisonous and edible mushrooms based on selected features
- Explored the data and used additional regression models from scikit-learn to predict mushroom cap diameter given the stem dimensions

Heart Attack Prevention - <https://devpost.com/software/heart-attack-prevention>

April 2024

- Analyzed large data in a team of 4 for Atlantis Datathon, the second annual datathon at UCI
- Employed core data science techniques such as data balancing and feature selection in order to prepare the data for machine learning models
- Utilized machine learning models for binary classification from scikit-learn to predict heart attack risk based on health factors

Day Lilies - <https://day-lilies.vercel.app/>

November 2023

- A cute and cozy calendar web app with a functional to-do list and a reminder for chores all in one to assist people to remember to do certain weekly, monthly, and seasonal tasks.
- Responsible for design and frontend development in WebJam, a week-long web application competition
- Utilized Bootstrap, HTML, CSS, and Javascript for frontend development and procreate for design

RESEARCH

Directed Reading Program - *Irvine, CA*

March 2024

- Collaborated with a graduate mentor conducting research on quantum computing to do independent study
- Reviewed and finalized an academic paper on the basics of quantum information processing

SKILLS

Languages: Python, Javascript, HTML, CSS, C++, Matlab

Developer Tools: Visual Studio Code, Scikit-learn, Pandas, NumPy, Plotly, Figma, Procreate

Technologies: Microsoft Excel, Bootstrap, Vercel, Git, Github

WORK EXPERIENCE

Target Corporation Guest Advocate and Starbucks - *Huntington Beach, CA*

Feb 2022 - Present

- Assisted guests with their concerns at guest service
- Collaborated with a team to provide a quick, efficient, engaging, and safe guest experience