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EDUCATION

Santa Clara University

Expected Graduation: June 2024

Bachelor of Science, **Computer Science and Engineering**

Coursework: **Object Oriented Programming, Machine Learning, Networks, Algorithms, Database Systems, Operating Systems**

EXPERIENCE

Santa Clara University Ethical Pragmatic and Intelligent Lab, [Public Transit Hub](#), Research Assistant

Python, Flask, MySQL

Present

- Developing a web and mobile application that can help students to reach local events and restaurants through public transit to reduce carbon emissions.
- Designed and implemented a REST Flask API connected to a MySQL database server that would return route users to events and restaurants.

PROJECTS

[Chill Spaces](#)

November 2022

JavaScript, React, Flask, Python, Heroku

- Developed a web application using React and Flask that lets users find the quietest and most relaxing spaces in a city.
- Designed and implemented a Flask API that would calculate the most desirable locations in a city after gathering data from multiple external APIs.
- Coordinated tasks in a high pressure environment with a team of 3 to win second place at Santa Clara University INRIX hackathon.

[Carbon Footprint Tracker](#)

August 2022

JavaScript, React, Node, Firebase, Docker

- Created a carbon footprint tracker with React and Firebase that lets users calculate carbon emissions throughout everyday activities, visualize the long term impact of emissions, and gain recommendations to reduce emissions.

[Blog Graph](#)

June 2022

JavaScript, React, Node, AWS, MongoDB

- Built a blog website with React and Mongo which displays blogs as a network where connected blogs are related topics.

[Rabbit Ecosystem Simulation](#)

July 2021

Java, Maven, Javafx

- Programmed a simulation of a rabbit ecosystem to measure how the rabbit population would be affected by external factors such as predators and the environment.
- Utilized concepts of polymorphism and inheritance to create simulated animals.

SKILLS & INTERESTS

Languages: Python, Javascript, Java, C, C++, C#

Tools: MySQL, Git, Pandas, Django, AWS, MongoDB, React, Node, Firebase

Interests: Fullstack Development, Backend Development, Databases, Machine Learning, Linux

LEADERSHIP

- **Santa Clara University Club Triathlon, Vice President**

Present