Ian Santos

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San Mateo, CA

EDUCATION

University of California, Santa Cruz Santa Cruz, CA
Bachelor of Science – Computer Science & Engineering *January 2025*

Canada College Redwood City, CA
Associates of Science – Computer Science *June 2020*
Dean's List: Spring 2016, Fall 2016, Fall 2018

RELEVANT COURSEWORK

CSE 142: Machine Learning
CIS 284: Obj Orient Prog - Java
CIS 286: Data Structures-Java
CSE 143: Introduction to Natural Language Processing
CSE 101: Algorithms and Abstract Data

EXPERIENCE

Personal Startup Ongoing

- Building with a small team to develop an application that democratizes investing for underrepresented communities. By Leveraging current advancements in ML capabilities and NLP
- Leveraging **Flutter**, **Dart**, and **Supabase** for cross-platform development and backend integration.

Brinqa Sponsored Project Fall 2024
University of California, Santa Cruz *Santa Cruz, CA*

- Worked with a team of six to develop a Slack Bot for Brinqa, a cybersecurity company.
- Focused on backend development to integrate seamless communication between users and the bot.
- Optimized data flow and enhanced bot functionality for user interaction.
- Developed a seamless UI to improve user workflows.
- Implemented secure communication protocols and backend logic to support bot capabilities.
- Technologies: **TypeScript**, **SQLite3**, **Jira API**, **Bitbucket API**.

Circle Jam Project January – March 2024
University of California, Santa Cruz *Santa Cruz, CA*

- Collaborated in a team of five to develop Circle Jam, a platform enabling user statistics sharing, friend connections, and achievement comparisons.
- Designed and implemented a user-friendly interface using **React**, integrated with a **Django** backend and **PostgreSQL** database for robust data management.
- Adopted **SCRUM** methodologies to ensure timely delivery of features and conducted user testing to refine functionality.
- Led the development of core features that improved platform usability and user engagement.

HTTP Server Fall 2023
University of California, Santa Cruz *Santa Cruz, CA*

- Engineered a multi-threaded HTTP server enabling concurrent handling of client requests.
- Defined a custom hash table for efficient URI-to-lock mapping.
- Integrated atomic and durable features in logging to ensure transaction integrity.
- Implemented robust error handling and memory management strategies.
- Technologies: **C++**.

Google Developer SC and Artificial Intelligence Club August 2022
University of California, Santa Cruz *Santa Cruz, CA*

- Completed multiple projects using Python, employing libraries like **NumPy**, **Pandas**, and **TensorFlow**.
- Collaboratively developed solutions for text generation, income prediction, and transfer learning projects.
- Skills: Strong communication, expertise in Python libraries.

Technical Skills

Languages: React, Typescript, MySQL, node.js, C++, Python, C, Java, PostgreSQL, MongoDB
Other Skills: Fluent in English and Spanish
Learning:ML models, Artificial-Neural Networks, Deployment