

# Ian Santos

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San Mateo, CA

## EDUCATION

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

Santa Cruz, CA  
*January 2025*

**Canada College**  
*Associates of Science – Computer Science*  
Dean's List: Spring 2016, Fall 2016, Fall 2018

Redwood City, CA  
*June 2020*

## RELEVANT COURSEWORK

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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

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### 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

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**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