

GAVIN AGUINAGA

Los Angeles, CA

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Education

University of California, Santa Cruz

2020 - 2022

Bachelor of Science in Computer Science

Santa Cruz, CA

Los Angeles Mission College

2018 - 2020

Associate of Science Degree in Computer Science

Los Angeles, CA

Projects

Sentiment Analyzer | Python, Flask, HTML/CSS, IBM Watson NLP

Summer 2023

- Created a web application capable of analyzing text input and intelligently determining the dominant sentiment, whether it be happiness, anger, or other emotions, providing valuable insights at a glance.
- Leveraged Python, harnessing its versatility and power, and utilized the Flask web framework for seamless backend functionality. The frontend was designed using HTML and CSS templates, ensuring a user-friendly interface. Harnessed IBM's Watson Library for Natural Language Processing.

Medicine Tracker | React, Express, Node.js, MongoDB, Material UI, REST API

Fall 2021

- Developed a web application, with 5 team members, to help users manage their daily medications through in-app planners and reminders.
- Designed wireframes and prototypes on Figma, streamlined frontend development.
- Created reusable frontend components using React and Google's Material-UI library for a fast and responsive user interface.
- Integrated Google's sign-in API for secure user authentication, reduced development time by 25%.
- Implemented the backend server with Node.js and fetched data using Express.js routes.

Work Experience

IDEASS Lab at UCSC (MyPantry)

January 2022 – June 2022

Software Engineer Intern

Santa Cruz, CA/Online

- Contributed to development of a web application that informs UCSC students about local food pantries and their offerings.
- Modernized flagship product to fit current browser standards, introduced CRUD functionality using Mongoose and MongoDB.
- Implemented test coverage using jest (100% coverage), enforced linting/code standards using ESLint/Prettier, and continuous integration/deployment on Github.
- Collaborated in an agile manner with cross-functional team sprints, participated in 100% of daily scrums.

Los Angeles Mission College

August 2019 - December 2022

Math Tutoring Coordinator

Los Angeles, CA/Online

- Led the quick transition of the Math Center from on-campus to online, ensuring a smooth and uninterrupted learning experience for students.
- Facilitated group tutoring sessions using Canvas and Zoom platforms, employing interactive teaching techniques to enhance comprehension and engagement.
- Worked closely with fellow professionals to efficiently coordinate student resources and schedules, fostering a collaborative and organized learning environment.

Skills

Programming Languages: C, C++, Python, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, Docker, Kubernetes, Git, Linux, IBM Cloud, Jira, Scrum Methodology

Technologies/Frameworks: React, NextJs, NodeJs, ExpressJs, Flask, Django, PostgreSQL, MongoDB, Bootstrap

Leadership

Tau Kappa Epsilon - Upsilon Pi Chapter

Spring 2021 – Spring 2022

Executive Officer - Historian

University of California, Santa Cruz

- Organized and executed 4 large-scale events with 300+ attendees within 1 school year, including managing entertainment, security, budgeting, and task delegation.
- Managed the UCSC TKE Instagram page, increasing the follower count by 20% within a month through engaging content and strategic posting.
- Documented and archived digital records of events, maintaining an organized Google Drive repository for easy access and future reference.