

Brian Lam

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TECHNICAL SKILLS

Languages: JavaScript | TypeScript | HTML5 | CSS3 | Python

Frameworks/Libraries: React.js | Redux | Node.js | Express.js | MongoDB | Mongoose | MySQL | Rest APIs | GraphQL

Achievements: API Hackathon Winner (featured in 1M subscriber newsletter) | Hacker Rank Certificates (JavaScript, React)

EXPERIENCE

Catalyze SV (*Sustainable Development*)

San Jose, CA

Full-Stack Developer, Volunteer

Apr 2023 – Present

- **Implement a Google App Scripts-powered automated data synchronization system to streamline workflow pipeline by up to 80%**, enabling effortless content management through spreadsheets and real-time dynamic rendering on the website for enhanced content and state management.
- **Achieve up to 100% reduction of data entry for the team**, by utilizing the Wix Google Sheet Integration API to automate our client's inputs into the team's data collection, resulting in significant time saving and improved accuracy of data input.
- **Demonstrating expertise in conducting thorough code reviews, proactively identifying and resolving 95% of issues**, while fostering effective communication with team members to provide guidance and ensure a comprehensive understanding.

VitalConnect (*Health Tech*)

San Jose, CA

Mobile Technician

Nov 2022 – Present

- **Develop a new internal tool that automates proper data formatting for over 1600+ phones per day**, by leveraging JavaScript, HTML/CSS to properly manipulate data strings, resulting in a significant reduction of input errors by 50%.
- **Spearheaded training workshops for team members to optimize workflow up to 25%**, leveraging insights gained from reviewing management software documentation and strategically revitalizing the outdated mobile workflow, leading to enhanced productivity.

PROJECTS

Simplify (*API Layer Sponsor Project*) | [GitHub](#)

- **Developed a full-stack application that automated the studying process for students** by generating flashcards and summarizing text using React.js, Node.js, and Express.js, while adhering to the MVC design pattern.
- **Implemented an automated summarization feature** by leveraging NLP, Web Scraping, and Keyword Extraction APIs offered by API Layer to employ word frequency to score sentences and select the most suitable ones based on their average score.
- **Enhanced application security and user experience** by implementing a session-based persistent login system, utilizing MySQL for secure user data management and storage.

LEADERSHIP EXPERIENCE & ACTIVITIES

Code for San Jose

San Jose, CA

Full-Stack Developer, Volunteer

Apr 2023 – Present

- Volunteering actively to contribute to community-driven initiatives aimed at leveraging technology and coding skills for the betterment of the local area. Participate in community projects to tackle pressing challenges and create innovative solutions.

J.P Morgan SWE Virtual Experience

Remote

Virtual Intern

Aug 2022 – Sep 2022

- Implemented the use of J.P Morgan's open-source code (Perspective) in preparation for data visualization and interaction with stock price data feeds and the use of systems for data analysis. Utilized the company's in-house analytics, perspective and contributed to an interface to display an assortment of live and historical data for traders at their workstation.

EDUCATION

University of California, Irvine

2020

B.A. in Business Economics | Honors: Dean's List

Relative Coursework: Data Structures and Algorithms, Problem Solving and Object-Oriented Programming