

Aaron Li

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Education

Stony Brook University, College of Engineering and Applied Sciences

May 2024

- BS in Computer Science GPA: 3.5

Projects

ViBE | React, Svelte, JavaScript, TypeScript, Playwright, Vitest, Firebase, Git, npm

May 2022 - Present

Application for users to retrieve song recommendations by utilizing Spotify API

- Wrote end-to-end and unit tests to automate testing and increase application reliability by over 30%
- Produced detailed design documents to improve workflow and result in 18% reduction in development time
- Retained user information safely and securely using Firebase to ensure user privacy and accessibility for 100% of users
- Researched web accessibility standards to achieve a 52% improvement in usability for users with disabilities
- Implemented responsive web development which lead to a 32% increase in mobile user satisfaction

Playlister | React, JavaScript, Express, MongoDB, Git, Lucidchart, Postman

Aug 2022 - Dec 2022

Application for users to create, save, publish, and play YouTube music videos by utilizing YouTube API

- Created UML diagrams, use case documents, and wireframes to reduce frontend development time by 20%
- Maintained version control to help resolve integration conflicts and reduce turnaround time by 12%
- Constructed and sent HTTP requests with Postman to test and verify API request objects are correctly formatted
- Implemented industry design patterns to combat common problems and result in a 30% improvement in code quality
- Utilized NoSQL database solution to support complex queries and remain flexible with scalability

Experience

Graphic Designer | Asian Students Alliance

Sep 2021 - Present

- Developed visuals with e-board and over 10 campus organizations to increase event participation by 120%
- Achieved a track record of meeting and exceeding 100% of deadlines to efficiently produce quality results
- Mentored 2 members on role responsibilities and technologies in preparation to assume and excel in position
- Revised and enhanced website to effectively educate over 1000 students about our mission on campus

Undergraduate Researcher | Stony Brook University

Jan 2022 - May 2022

- Collaborated with campus faculty and members to develop and execute a marketing strategy to grow presence by 65%
- Researched and wrote competitive and SWOT analysis to identify areas of improvement within the service
- Built a degree audit application for over 3000 students by implementing search and filtering algorithms
- Obtained LSSGB certification to display adequate knowledge in basic tools and methodologies of Lean Six Sigma

Undergraduate Researcher | Stony Brook University

Jan 2021 - May 2021

- Designed and developed web components by following UI/UX principles to create custom and reusable UI elements
- Conducted testing with 3 member to detect and diagnose bugs, improving system functionality and user experience
- Assisted 7 members to build web application that analyzes and displays data processed from motion sensors
- Integrated various communication tools to efficiently conduct meetings, resulting a 20% boost in workflow

Skills

- Programming Languages: Java, Python, C++, C, MIPS, Javascript, Typescript, CSS, HTML
- Frontend: React, Svelte, Vite.js, Playwright, Vitest, Jest, Bootstrap, Tailwind CSS, GSAP
- Backend: Firebase, GCP, AWS, MongoDB, MySQL, Express.js, Node.js
- Tools: Git, npm, Postman, ESLint, Prettier, Adobe Suite, Figma, Canva, Lucidchart, Wondershare