

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 | Svelte, TypeScript, Playwright, Vitest, Jest, Firebase, Git, npm, Node

May 2022 - Present

Application for users to retrieve song recommendations by utilizing Spotify API

- Automated testing through end-to-end and unit tests, resulting in over 30% improvement in application reliability
- Streamlined processes with detailed design documents, leading to an 18% reduction in development time
- Integrated ESLint and Prettier with GitHub workflows, enhancing code quality and expedited code reviews by 27%
- Achieved a 52% improvement in usability for users with disabilities by adhering to web accessibility standards
- Increased mobile user satisfaction by 32% by implementing responsive web development best practices

Playlist | React, JavaScript, Express, MongoDB, Git, npm, Node

Aug 2022 - Dec 2022

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

- Accelerated frontend development by 20% by creating UML diagrams, and wireframes for efficient project planning
- Maintained version control to help resolve integration conflicts effectively and reduce turnaround time by 12%
- Ensured accurate API request objects by thoroughly testing and verifying HTTP requests with Postman
- Improved code quality by 30% through the implementation of industry design patterns to combat common challenges
- Enhanced flexibility and scalability by utilizing a NoSQL database solution to support complex queries

Experience

Graphic Designer | Asian Students Alliance

Sep 2021 - Present

- Collaborated with e-board and over 10 organizations to develop visuals and increase event participation by 120%
- Delivered results consistently, meeting and surpassing 100% of deadlines with a focus on high-quality outcomes
- Mentored 2 members, equipping them with role responsibilities and technical knowledge to excel in their positions
- Revised and enhanced website to effectively educate over 1000 students about the organization's campus mission

Undergraduate Researcher | Stony Brook University

Jan 2022 - May 2022

- Cooperated with campus faculty to implement a marketing strategy, resulting in a 65% growth in campus presence
- Conducted in-depth research and composed competitive and SWOT analysis to identify areas of improvement
- Developed a degree audit application for over 3000 students by incorporating search and filtering algorithms
- Attained LSSGB certification, showcasing proficiency in essential tools and methodologies of Lean Six Sigma

Undergraduate Researcher | Stony Brook University

Jan 2021 - May 2021

- Designed and implemented web components adhering to UI/UX principles, resulting in custom and reusable elements
- Collaborated with a team of 3 members to conduct testing, detect, and diagnose bugs, enhancing system functionality
- 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, MSW, RestAPI
- Tools: Git, npm, Postman, ESLint, Prettier, Adobe Suite, Figma, Canva, Lucidchart, Wondershare