# Aaron Li

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## Education

**Stony Brook University, College of Engineering and Applied Sciences**　　　　**Expected May 2024**

Bachelor of Science in Computer Science　　　　　　　　　　　　　　　　　　　GPA: 3.51/4.00

## Projects

**ViBE | Svelte, TypeScript, Playwright, MSW, Jest, Firebase**　　　　　　**May 2022 - Current**

*Tool for users to retrieve song recommendations by utilizing Spotify API*

- Employed **Firebase** to maintain user data with Firestore and successfully deployed to the production environment
- Facilitated test driven development through end-to-end and unit tests with mocks using **Jest**, **MSW**, and **Playwright**
- Integrated **ESLint** and **Prettier** with **GitHub workflows**, implementing **CI/CD** to expedite 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

**Cartistry | React, JavaScript, Express, MongoDB**　　　　　　　　　　**Aug 2023 - Dec 2023**

*Forum for community of users to import, edit, save, delete, and publish maps by utilizing leaflet-geoman API*

- Accelerated frontend development by 20% by creating UML diagrams, and wireframes using **Figma** and **Notion**
- Constructed API endpoints handled by **Express** server and verified request objects through testing with **Postman**
- Enhanced flexibility and scalability with **MongoDB** to perform CRUD operations on user map data and metadata
- Improved code quality by 30% through the implementation of global state management to combat common challenges
- Cooperated with 3 members in parallel by leveraging **Git** version control operations to reduce turnaround time by 15%

## Experience

**Event Coordinator, Fundraising Chair, Graphic Designer | Asian Students Alliance**　　**Sep 2021 - Current**

- Communicated with over 30 businesses to organize fundraisers, resulting in year over year growth of 25% in funding
- Coordinated with over 20 campus organizations and faculty staff to plan and host events for over 2000 attendees a year
- Mentored 14 members, equipping them with role responsibilities and technical knowledge to excel in their positions
- Developed visuals and managed social media to promote Asian culture that led to a 86% increase in campus presence

**Undergraduate Researcher | Stony Brook University**　　　　　　　　　**Jan 2022 - May 2022**

- Developed a degree audit application with **Java** with directed graphs and topological sort to determine prerequisites
- Deployed application to the production environment for over 3000 students to effectively plan their college career
- Attained **LSSGB certification**, showcasing proficiency in essential tools and methodologies of Lean Six Sigma
- Conducted in-depth research to produce a SWOT analysis in order to formulate and execute a marketing strategy

**Undergraduate Researcher | Stony Brook University**　　　　　　　　　**Jan 2021 - May 2021**

- Assisted 7 members to build **React** web application that processes from motion sensors for  physical therapy patients
- Designed and web components with **Figma**, adhering to UI/UX principles, resulting in custom and reusable elements
- Integrated **Google Workspace** to conduct meetings through virtual environment, resulting a 20% boost in workflow
- Collaborated with a team of 3 members to conduct testing, detect, and diagnose bugs, enhancing system functionality

## Skills

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