

Timmy Tram

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<https://timmytram.github.io/portfolio/> | <https://github.com/TimmyTram>

Education

San Francisco State University - BS in Computer Science, Minor Video Game Studies
August 2020 - December 2024 | GPA: 3.96 | Scholastic Distinctions: Dean's List - All Semesters

Skills

Languages: Java, Python, TypeScript, Javascript, C/C++, HTML, CSS, Swift

Technology: React, MySQL, Express, MongoDB, Prisma ORM, Next.JS, Git/Github, TailwindCSS

Projects

Token - Anime & Manga Info Platform February 2025 - March 2025

- Developed a full-stack application using Next.JS with emphasis on a modern React UI.
- Implemented debounced search to optimize API calls and improve performance.
- Designed reusable components reducing overall code duplication
- Created a comments API that contains pagination metadata, greatly reducing data bundle sizes by upwards of **90%**.

CoffeeSpot - Curated Study Spot Finder August 2024 - December 2024

- Served as the **Backend Lead**, in a **team of 7** which involved mentoring backend teammates on RESTful API design, User Authentication as well as creating Powerpoint presentations to educate the frontend team on how to fetch the API.
- Led the design and implementation of the database schema and RESTful API Design.
- Wrote Jest Unit Tests for the API achieving **89%** coverage and created 12 integration test cases and documented them in an Excel sheet.
- Created React Custom Hooks promoting code reusability and reducing code duplication.
- Performed Code Reviews on Pull Requests, improving code quality and **preventing 20% of bugs** from entering the main branch.

Activities & Experiences

SF Hacks March 2021

- Participated in a team of 2 and created a python web scraper to grab furniture data from Ikea and display how it would fit in the user's room.

PULSE Garden Committee August 2018 - May 2019

- Maintained garden health by removing weeds, overgrown branches. Woodwork.

Balboa High School Army JROTC August 2016 - May 2018

- Managed logistics involving uniform and table count and sizes.
- Served as a Squad Leader, ensuring teammates were conducting cleanups and marching protocols correctly.