

Shoha Tsuchida

[linkedin.com/shoha](https://www.linkedin.com/shoha) | 626.244.6692 | shoha.tsuchida@gmail.com | shoha.info | github.com/smstuchi

WORK EXPERIENCE

Coding Temple

Boston, MA

Full Stack Engineer

April, 2021 - Current

- Integrated third-party APIs and services, like Google Calendar, Classroom, Gmail, Zapier, and PipeDrive, to automate steps in the admissions process workflow, saving the admissions team 25 minutes of onboarding labor per student that passes through the program.
- Leveraged the PyTest testing framework and Coverage.py to increase code coverage on the admission pipeline service by 15%.
- Wrote integration tests to assert expected behavior between the admissions service and in-class software modules.
- Implemented robust security measures including: authentication mechanisms (OAuth and Token Auth) and data encryption at rest, ensuring the protection of sensitive user data.

TECHNICAL PROJECTS

Job Application Tracker

GitHub, [Web App](#)

Full Stack Developer

- Created a dynamic front-end interface using React JS libraries, enabling users to drag and drop “cards” tracking statuses on different job applications.
- Developed a modal to update job-specific details by making API calls asynchronously to handle CRUD operations while not degrading the user’s experience.
- Optimized data retrieval by following the lexicographical ordering paradigm, which minimizes the number of database calls necessary to handle sequence updates.
- Integrated Chrome extension hooks to sync job search data to the Job App Tracker in real time.

Interactive Coding Learning Platform

GitHub, [Web App](#)

Full Stack Developer

- Developed an online interactive learning platform offering learning modules in coding/markup technologies like Python, JavaScript, HTML, and CSS complete with individualized user profiles.
- Designed a scalable user interface with modern UI principles to enhance the user experience.
- Implemented code sandboxing to protect the server by isolating real language-specific commands within each learning module.

Artist Disco - Music Finder

GitHub, [Web App](#)

Full Stack Developer

- Designed and built a MERN based web-app, integrating Spotify’s API, to provide users a more intuitive way to discover musical artists, using features like “swiping” to harness the short attention span behavior to keep users engaged.
- Debugged issues and iterated over new features after beta testing and gathering community feedback from over 100 users on social media.
- Minimized the amount of necessary database calls by caching client data in the application state, reducing the number of network calls by a factor of 5.

COURSEWORK

- | | | |
|------------------------|----------------------------|----------------------------------|
| - RESTful APIs | - Responsive Web Design | - Object Oriented Programming |
| - UI/UX Fundamentals | - Algorithm Complexities | - Programming Fundamentals |
| - Back End Development | - Software Design Patterns | - Algorithms and Data Structures |

SKILLS

React, TypeScript, Python, JavaScript, Flask, Django, ExpressJS, NodeJS, MongoDB, SQL, HTML, CSS