Loc Mai

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EDUCATION

Tufts University <div align="right">GPA: 3.87</div>
Bachelor of Arts in Computer Science <div align="right">*Aug. 2021 – May 2025*</div>

Relevant Coursework

Data Structures, Algorithms, Linear Algebra, Discrete Mathematics

EXPERIENCE

JumboCode Developer <div align="right">Sep. 2021 – Present</div>
Tufts University <div align="right">*Medford, MA*</div>

The Legacy Project <div align="right">*Sep. 2022 – Present*</div>
- Collaborate with a team of 12 developers in an Agile environment to develop a frontend application
- Contribute to the development of core, reusable components using NextJS, TailwindCSS, and TypeScript, which are integrated into 70% of the application.
- Integrated the Google Drive API with Prisma to create a secure authentication system that enables front-end control of Google Drive files

SimplySmiles <div align="right">*Sep. 2021 – May 2022*</div>
- Collaborated with a team of 12 developers in an Agile environment to build a fullstack REST application
- Developed a robust CRUD authentication system with NodeJS and MongoDB, which powered the entire backend
- Built core, reusable React modals, which were integrated into 90% of the frontend, delivering a seamless user experience and enhancing overall app functionality

Information Technology Staff <div align="right">Sep. 2022 – Jan. 2023</div>
Tet in Boston <div align="right">*Dorchester, MA*</div>
- Migrated Tet in Boston website to Wordpress, improving user experience and streamlining content management
- Conducted research on SEO, Google analytics, and UI design to optimize website performance and engagement, resulting in significant traffic increase with 7600 views and 3600 visitors
- Demonstrated expertise in delivery and deployment processes, ensuring timely launch and effective communication with audience and sponsors

Desktop Engineering Intern <div align="right">Jul. 2021 – Aug. 2021</div>
Putnam Investments <div align="right">*Boston, MA*</div>
- Created user-friendly documentation for the installation of corporate app on IOS devices, ensuring smooth implementation and reducing potential user errors
- Streamlined workflow processes by automating the distribution of PDF files and logging of network information among virtual machines via Bash scripts

PROJECTS

LIFX Audio Show | *PyAudio, NumPy, PyQtGraph* <div align="right">Aug. 2022 – Sep. 2022</div>
- Visualized system audio frequency and volume using Fast Fourier Transformation onto a PyQtGraph GUI
- Mapped visualization from GUI to LIFX lightbulbs via a dynamic algorithm leveraging HTTP requests from LIFX Web API
- Implemented audio source control and configuration of LIFX lightbulbs properties through PyQtGraph sliders

LIFX Spotify Show | *Javascript, Node.js, Express, Pug.js, Axios, SpotifyAPI* <div align="right">Jul. 2022</div>
- Implemented a SpotifyOAuth process with Axios, leveraging HTTP calls to Spotify Web API to retrieve currently playing song data, mapping it to LIFX lightbulbs through HTTP requests to LIFX Web API
- Designed and executed an intuitive Pug.js frontend with a robust backend featuring a reroute system to control LIFX lightbulbs via HTTP requests to LIFX Web API

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, HTML, CSS
Frameworks: React, Typescript, Next.js, TailwindCSS, Node.js, Express, WordPress, MongoDB, Pug.js, Prisma
Developer Tools: Git, VS Code, Visual Studio, Postman