

Tim Truong

ttruong576581@gmail.com | github.com/teateatime | [linkedin.com/in/tim-t-truong](https://www.linkedin.com/in/tim-t-truong)

Worcester, MA | [Portfolio: teatimeportfolio.vercel.app](https://teatimeportfolio.vercel.app) | (774) 633-5744

EDUCATION

University of Massachusetts Lowell

Sep 2020 - May 2024

B.S. in Computer Science, Mathematics Minor

GPA: 3.7

- Relevant Coursework: GUI Programming, Software Engineering, Operating Systems, Cloud Computing, and Algorithms
 - Extracurriculars: UML Table Tennis Club, Cloud Computing Club, ACM Club, and Cybersecurity Club
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TECHNICAL SKILLS

Programming Languages: C, C++, C#, TypeScript, JavaScript, Python, SQL, Java

Frameworks/Libraries: SFML, Bootstrap, jQuery, ReactJS, NodeJS, ExpressJS, Jest, PyTorch

Other Tools & Technologies: AWS, Linux, Git, Figma, Firebase, Postman, Jira, Power BI, VMware

PROFESSIONAL EXPERIENCE

UMass Lowell CS & Math Department - Teaching Assistant & Learning Assistant

May 2023 - May 2024

- Facilitated tutoring sessions to clarify intricate **GUI**, **version control**, and mathematical concepts, providing thoughtful feedback to enhance understanding of these principles for 80+ students.
- Implemented an automated grading script with **Jest** and **Pytest**, reducing grading time by 30% for 1000+ assignments.

Self-Employed - Freelance Web Developer

April 2023 - Sept 2023

- Developed and deployed dynamic web applications for multiple clients, delivering impactful digital solutions.
 - Streamlined existing apps through rigorous **integration testing** to identify and rectify critical bugs, while also introducing performance enhancements, resulting in a 40% reduction in system downtime and ensuring optimal functionality.
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PROJECTS

Secure Drop - <https://github.com/teateatime/SecureDrop>

May 2024

- Created a secure file transfer program inspired by Apple's AirDrop technology using **Python**, implementing encryption and decryption protocols with the **cryptography** library and **SHA-256 hashing** to ensure data confidentiality.
- Addressed scalability challenges by implementing **multi-threading** and **asynchronous I/O operations**, reducing processing time for authentication and file handling tasks.
- Designed and implemented a user-friendly **command-line** interface for efficient contact and file management.

VSCode Timer Extension Plugin - https://github.com/teateatime/TypeScript_VSCode_Clock_Plugin

Dec 2023

- Developed a **TypeScript**-based Visual Studio Code extension for time tracking and management.
- Utilized **VSCode API** and **TypeScript's** asynchronous functions for real-time timer updates, providing timely notifications.
- Applied **Test-Driven Development (TDD)** practices to ensure the robustness and reliability of timer functionality, writing **unit tests** to validate behavior and seamlessly integrating them into the **Software Development Life Cycle (SDLC)**.

Animeta - <https://animeta-6673e.web.app/>

July 2023 - Aug 2023

- Engineered an Anime Management app using **FERN (Firebase, Express, React, Node.js) Stack** and **Jikan API**, integrating **Material-UI** and **React-Scheduler** components for efficient anime management and real-time scheduling for users.
- Integrated **Firebase** for secure user authentication, implemented **caching** for faster data retrieval, and used **React Queries** for efficient data management, reducing API response times and enhancing user experience.
- Maintained web performance and app reliability through API testing with **Postman** and **Google Analytics**.

The Saving Portal - <https://github.com/teateatime/TheSavingPortal>

Jan 2023

- Led the creation of an automated cashback monitoring system with **Flask** and **Selenium**, proficiently analyzing data from 20+ platforms and showcasing optimal cashback rates through dynamic visualization using **EChartsJS**.
 - Collaborated with others using **Agile** workflows to define optimal requirements and ensure project viability.
 - Utilized **Figma** for UI design and prototyping, bolstering teamwork toward a user-centric, visually appealing design.
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LEADERSHIP ACTIVITIES & CERTIFICATIONS

UMass Lowell Table Tennis Club - Member

Jan 2022 - May 2024

AT&T Summer 2021 Online Program - Summer Learning Academy Extern

July 2021 - Aug 2021