

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

Expected May 2024

B.S. in Computer Science, Mathematics Minor

GPA: 3.7

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

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

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

Other Tools & Technologies: VS Code, Linux, Git, Figma, Firebase, Postman, Jira

PROFESSIONAL EXPERIENCE

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

May 2023 - Present

- Facilitated tutoring sessions to clarify intricate GUI and mathematical concepts, providing thoughtful feedback to enhance understanding of GUI and mathematical principles for 80+ students.
- Strengthened debugging skills through complex error identification and troubleshooting of GUI and math assignments.
- Implemented an automated grading script with **Jest** and **Pytest**, reducing grading time by 30% and streamlining the assessment process 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

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

July 2023 - Aug 2023

- Engineered a robust Anime Management app using **FERN (Firebase, Express, React, Node.js) Stack** and **Jikan API**, enabling efficient anime and manga preference management for users.
- Designed a user-friendly front-end design using **React-Router-Dom** and **Material-UI components** to ensure user viability.
- Integrated **Firebase** for secure user authentication and optimized server-side functionality, enhancing API responses through **caching** and employing **React Queries** for a seamless user experience.
- Maintained web performance and app reliability through API testing with **Postman** and **Google Analytics**.
- Implemented **React-Scheduler** to create visually appealing and interactive schedules, facilitating real-time management.

Blackjack - <https://blackjack-mvc.vercel.app/>

June 2023

- Developed a captivating Blackjack website using **HTML**, **CSS**, and **JavaScript**, implementing the **MVC design framework** for a modular and scalable code architecture, resulting in an immersive user interface.
- Enhanced user experiences through captivating UI enhancements utilizing **Bootstrap** to elevate website visuals.
- Leveraged the **Prototype Pattern** to optimize game functionality and improve code efficiency.

The Saving Portal

Jan 2023

- Spearheaded 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

UMass Lowell Table Tennis Club

Jan 2022 - Present

- Collaborated closely with the E-board to assist in planning schedules, managing funds, and coordinating club events.

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

July 2021 - Aug 2021

- Completed a professional development program, acquiring expertise in technological skills from industry leaders.