

# Tim Truong

Worcester, MA | [ttruong576581@gmail.com](mailto:ttruong576581@gmail.com) | [linkedin.com/in/tim-t-truong](https://www.linkedin.com/in/tim-t-truong) | [Github](#) | [Portfolio](#) | (774) 633-5744

---

## EDUCATION

University of Massachusetts Lowell

September 2020 - May 2024

B.S. in Computer Science, Mathematics Minor

GPA: 3.7

- Extracurriculars: UML Table Tennis Club, Cloud Computing Club, ACM Club, Cybersecurity Club

---

## PROFESSIONAL EXPERIENCE

R3 Education - Clinical Assistant Analyst

August 2024 - Present

- Optimized databases with **PHP**, **PostgreSQL**, and **MS Access**, reducing query times using **BDD** practices and code reviews.
- Collaborated with IT and clinical teams to refine the **LMS** and **SIS**, managing tasks in **Jira** and using **JavaScript**, **CSS**, and **Chrome DevTools** to enhance UI/UX for 300+ users.
- Integrated **OCR (Pytesseract)** to extract data from 100+ reports, leveraging **PowerBI** for critical insights.
- Streamlined SOPs using **Google Scripts**, **VBA**, and **FileCloud** for secure synchronization, enhancing **ETL** processes with **Python** for 100+ clinical rotations.

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**, reducing grading time by 30% for 200+ assignments.

Freelance - Web Developer

April 2023 - September 2023

- Developed robust web apps for multiple clients using **Bootstrap** and **Agile** practices to ensure optimal functionality.
  - Streamlined and redeployed existing apps using **unit/integration testing** and performance improvements, curbing system downtime by over 40%.
- 

## PROJECTS

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

May 2024

- Created a secure file transfer app inspired by Apple's AirDrop, leveraging **Python**, **socket modules**, and a **client-server model** with **cryptography** and **SHA-256 hashing** for end-to-end data confidentiality.
- Resolved scalability challenges with **multi-threading** and **asynchronous I/O**, resulting in a 500ms reduction in latency and improved performance.

VSCode Timer Extension - [https://github.com/teateatime/TypeScript\\_VSCode\\_Clock\\_Plugin](https://github.com/teateatime/TypeScript_VSCode_Clock_Plugin)

December 2023

- Developed a **TypeScript**-based plugin for time tracking and management, boosting productivity by 25%.
- Reduced response times down to 250ms with **async functions** and applied **Test-Driven Development (TDD)** practices and **end-to-end testing** for reliability and seamless integration into the **SDLC**.

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

July 2023 - August 2023

- Engineered an Anime Management app using **FERN** stack and **Jikan API**, integrating **MUI** and **React-Scheduler** components while refactoring a 2500+ line monolithic codebase into a modular format for 10+ users.
- Integrated **Firebase** for data handling, reducing **REST API** response times with **caching** and **React Queries** from 5s to 1.5s.
- Maintained and improved performance reliability by 30% with **Postman** API testing, **Sentry**, and **Google Analytics**.

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

January 2023

- Created an automated cashback monitoring system using **Flask** and **Selenium**, analyzing data from 20+ platforms and showcasing optimal cashback rates through interactive **EChartsJS** visualizations.
  - Collaborated with software engineers using **Agile** and **Git** workflows to define requirements, cutting dev time by 40%.
  - Leveraged **Figma** for UI/UX design, integrating **CI/CD pipelines** to ensure continuous updates to 10+ components.
- 

## TECHNICAL SKILLS

**Programming Languages:** C/C++, C#/ASP.NET, TypeScript, JavaScript, Python, SQL, Java, PHP

**Frameworks/Libraries:** SFML, Bootstrap, jQuery, ReactJS, NodeJS, ExpressJS, Pandas, scikit-learn, PyTorch

**Developer Tools:** AWS, Linux, Git, Figma, Firebase, Postman, Redux, Datadog, GraphQL, Jupyter Notebook

**Certifications:** JP-Morgan SWE Certificate, Kaggle ML Certificate, AT&T Summer Extern