# Tim Truong

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## EDUCATION

**University of Massachusetts Lowell**                                                                **Expected May 2024**

*B.S. in Computer Science, Mathematics Minor*                                                               GPA: 3.7

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

## TECHNICAL SKILLS

**Programming Languages:** C, C++, C#, TypeScript, JavaScript, Python, SQL, Java
**Frameworks/Libraries:** SFML, Bootstrap, jQuery, ReactJS, NodeJS, ExpressJS, Jest
**Other Tools & Technologies:** AWS, VSCode, 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.

## 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 through **caching** and leveraging **React Queries**, resulting in a 50% reduction in API response time and ensuring 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 -** https://github.com/teateatime/TheSavingPortal                                           **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.

## LEADERSHIP ACTIVITIES

**UMass Lowell Table Tennis Club -** Member                                                       **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.