# Tim Truong

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## EDUCATION

**University of Massachusetts Lowell**                                    Graduated May 2024
*B.S. in Computer Science, Mathematics Minor*                                    *GPA: 3.7*

## EXPERIENCE

**Clinical Assistant Analyst**                                    August 2024 – Present
*R3 Education*
- Optimized PostgreSQL/Access queries with CTEs and subqueries to cut reporting time by 300%, and architected OLAP cubes in Power BI/DAX Studio to streamline clinical reporting analysis and accelerate decisions.
- Designed a JS-based Acrobat checklist in Figma, later adapted in Excel to streamline collaboration and security.
- Collaborated with IT to troubleshoot LMS and SIS issues via SQA practices, Chrome DevTools, and data cleansing.
- Leveraged Pivot Tables and XLOOKUP to summarize clinical site-visit data, improving report consistency.
- Automated ETL and verification workflows with Google Apps Script, Python, Ansible, and VBA, using WinRAR AES-256/Windows EFS encryption and performance testing to maintain FERPA compliance across 200+ rotations.

**Systems Integration Engineer (Part-Time Contract)**                                    October 2025 – February 2026
*Beyond Plastics*
- Executed a full-scale system migration from Action Network CRM to Google Workspace, leveraging ETL pipelines, schema mapping, validation scripts, and fallback APIs to ensure 100% data integrity across all records.
- Engineered automation solutions using Google Apps Script and API connections to optimize workflows.
- Monitored Google Apps Script trigger failures and managed user permissions to protect credentials and reliability.

**Full-Stack Developer (Short-Term Contract)**                                    May 2025 – June 2025
*iQtransit*
- Collaborated on DamageID's redesign by migrating from Laravel to a Dockerized WordPress environment.
- Refactored and improved responsive PHP layouts to establish a more maintainable and scalable website.

**Teaching Assistant (Full-Stack) & Learning Assistant (Pre-Calculus)**                                    May 2023 – May 2024
*University of Massachusetts Lowell*
- Mentored 80+ students in full-stack, WCAG 2.x accessibility, calculus topics, and refined jQuery assignments.
- Created an automated grading script with Jest and Excel, reducing grading time by 3 hours for 200+ assignments.

**Web Developer**                                    April 2023 – September 2023
*Freelance*
- Developed 3+ apps with Bootstrap and Agile, boosting performance by 40% via Lighthouse audits and unit tests.
- Enhanced site responsiveness and SEO by reducing load times by 1.2s through CDN plugins and semantic HTML.

## PROJECTS

**ComfortZone** | Link                                    January 2025 – June 2025
- Designed a job platform with TypeScript, React and .NET, creating 3+ architecture diagrams for development.
- Integrated TensorFlow and Geoapify API to map nearby housing by job location, improving platform security via XSS mitigation, Snyk scans, Firebase, and CORS-secured API communication.

**Animeta** | Link                                    July 2023 – August 2023
- Engineered an anime management app using FERN Stack, Sentry, and Jikan API, integrating MUI and React-Scheduler components while refactoring a 2500+ line monolith into a modular codebase.
- Utilized Firebase for cloud hosting and caching to cut load times to 1.5s while boosting reliability with Postman.

**The Saving Portal** | Link                                    January 2023
- Refactored a React/Selenium cashback monitoring app to a Flask architecture, streamlining data analysis from 20+ platforms with EChartsJS visuals while collaborating with engineers via Agile and Git.
- Utilized Figma for UI/UX design and supported CI/CD pipelines by linting and validation to 10+ components.

## TECHNICAL SKILLS

**Programming Languages**: JavaScript, TypeScript, Python, SQL, C/C++, R
**Frameworks/Libraries**: ReactJS, NodeJS, ExpressJS, Flask, Laravel, Selenium, TensorFlow, SFML, jQuery
**Dev Tools**: AWS, Access, Active Directory, Ansible, Jira, Linux, Firebase, Postman, Power BI, Snyk, WordPress, Webflow