Ashley Tran

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EDUCATION

Michigan State University   Aug. 2022 – May 2024
B.S. in Computer Science, Minor in Business   *East Lansing, MI*

Lansing Community College   Aug. 2020 – May 2022
Engineering/Physics – GPA: 3.87   *Lansing, MI*

EXPERIENCE

Web Content Administrator   May 2024 – Present
Michigan State University – College of Engineering   *East Lansing, MI*
- Developed automation tools (Selenium web scans, Python scripts, browser extension) to streamline workflows, reduce manual effort, and support content management tasks such as audits, updates, and archives.
- Directed site migrations and maintenance for the college website and 4+ microsites, ensuring content accuracy.
- Parsed 1,400+ news stories from Sitecore into structured JSON for seamless integration into Drupal.
- Designed wireframes for new pages and developed interactive web features (e.g., countdown timer, chart visualizations) to improve engagement and user experience for 25k+ monthly visitors.
- Remediated WCAG issues and optimized content for SEO, ensuring usability and search performance.

Undergraduate Learning Assistant   Jan 2024 – May 2024
Michigan State University – College of Engineering   *East Lansing, MI*
- Guided students in full-stack development, including frontend (HTML, CSS, JavaScript), backend (Python Flask, APIs), and database management (MySQL), reinforcing practical coding skills through projects.
- Provided technical support through GitLab for 200+ students, troubleshooting code and deployment errors.

Student Front-End Web Assistant   May 2023 – May 2024
Michigan State University – College of Engineering   *East Lansing, MI*

Information Technology Intern   May 2022 – Aug 2022
North American Lighting   *Farmington Hills, MI*

Cashier   Dec 2019 – Dec 2023
Asia's Finest   *Lansing, MI*

PROJECTS

Fondr – Relationship Tracker | *TypeScript, React Native, Expo, Supabase*
- Built CRUD-based user data management and milestones features with secure database integration, real-time syncing, and responsive front-end components to support automated reminders and wishlist item tracking.
- Implemented geolocation-based tracking to map shared memories and provide tailored activity recommendations.

Auditing Assistant Using Video AI Platforms | *JavaScript, React, Flask, Firebase, OpenCV, YOLOv3*
- Implemented Python concurrency to process multiple media files in parallel, increasing throughput from single-file to multi-file processing and drastically improving system efficiency.
- Developed React frontend, designing UI/UX and building authentication flows and file import features.
- Designed and implemented the database schema and managed deployment of the web application.

AWARDS/CERTIFICATIONS

Google UX Design Professional Certificate   TBD
2+2+2 Engineering Scholarship   May 2020
Lansing Promise Scholarship   May 2020

TECHNICAL SKILLS

Languages: C/C++, Python, JavaScript/TypeScript, SQL, HTML/CSS, PHP, Lua
Databases/Backend Services: Supabase (PostgreSQL-based), Firebase, MySQL, SQLite
Frameworks: Flask, FastAPI, PyQt, Next.js, React Native, Expo, SvelteKit, Node.js
Libraries: wxWidgets, OpenCV, JQuery, React.js, Vue.js, Chart.js, Tailwind CSS, Bootstrap
Developer Tools: Git, CMake, Docker, Vercel, Google Cloud Platform, Render, VS Code, Visual Studio
Miscellaneous: Selenium, Playwright, Sitecore, Drupal, Power Platform, Screaming Frog, GA4, Blender, Figma