

Ashley Tran

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EDUCATION

Michigan State University

B.S. in Computer Science, Minor in Business

Aug. 2022 – May 2024

East Lansing, MI

Lansing Community College

Engineering/Physics – GPA: 3.87

Aug. 2020 – May 2022

Lansing, MI

EXPERIENCE

Web Content Administrator

Michigan State University – College of Engineering

May 2024 – Present

East Lansing, MI

- Developed and deployed automation tools (Selenium web scans, Python validation scripts, and a browser extension), streamlining processes and significantly reducing manual workload.
- Directed the migration and ongoing maintenance of the college website and affiliated microsites, ensuring content accuracy, faster publishing turnaround, and consistent branding across platforms.
- Maintained WCAG compliance by remediating issues, ensuring inclusive access for 25k+ monthly users.
- Implemented web features informed by UX/UI, SEO, and analytics, boosting engagement and site performance.

Undergraduate Learning Assistant

Michigan State University – College of Engineering

Jan 2024 – May 2024

East Lansing, MI

- Guided students in frontend development (HTML, CSS, JavaScript), backend programming with Python Flask, and database management using MySQL, reinforcing practical coding skills and project-based learning.
- Provided technical support during office hours and managed GitLab issues for 200+ students, troubleshooting code errors and deployment challenges related to course projects.

Student Front-End Web Assistant

Michigan State University – College of Engineering

May 2023 – May 2024

East Lansing, MI

Information Technology Intern

North American Lighting

May 2022 – Aug 2022

Farmington Hills, MI

PROJECTS

Fondr – Relationship Tracker | *TypeScript, React Native, Expo, Supabase*

- Built a collaborative wishlist feature, implementing CRUD functionality, real-time database syncing, secure user-specific item management, and responsive frontend components.
- Implemented geolocation-based experience tracking and AI-driven personalization to map shared memories and provide tailored gift and activity recommendations, enhancing user engagement.

Auditing Assistant Using Video AI Platforms | *JavaScript, React, Flask, Firebase, OpenCV, YOLOv3*

- Developed React frontend, designing UI/UX and building authentication flows and file import features.
- Designed and implemented the database schema to support AI-driven media analysis functionality, ensuring efficient data storage and retrieval, and deployed the website using Docker and Google Cloud Platform (GCP).
- Optimized video analysis performance by implementing Python concurrency, significantly accelerating processing speed, improving overall system efficiency, and enabling the application to handle larger volumes of media data.

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, Node.js

Libraries: wxWidgets, OpenCV, JQuery, Vue.js, React.js, Chart.js, Tailwind CSS, Bootstrap

Developer Tools: Git, CMake, Docker, Vercel, Google Cloud Platform, Render, VS Code, Visual Studio, JetBrains

Miscellaneous: Selenium, Sitecore, Drupal, Wix, Microsoft Power Platform, Screaming Frog, Google Analytics 4, Figma