Michael Tran

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University of Wisconsin – Madison
Computer Science, May 2025
Asian American Studies Certificate, May 2025

Programming Languages: Java, React/React Native, JS, HTML/CSS, C, Kotlin, R, SQL, TypeScript, Next.js
Libraries/Frameworks: React, React Native, Bootstrap, NumPy, PyTorch
Skills: Algorithms, Data Structures, Git, Jira, Firebase, Figma, Agile Methodologies, AWS

WORK EXPERIENCE:

Komatsu – Chicago, Illinois
Telematics Intern, May 2025 – August 2025
- Tasked daily with fulfilling ticket requests for Komatsu's Komtrax Application, aiding Komatsu dealers
- Redesign and develop external-facing webpage for Komatsu's Komtrax Application, standardizing and increasing efficiency within Komtrax's ticket request system
- Implement a RAG pipeline that is used to prompt a custom GPT for accessible insights into Komatsu.com user data
- Present Capstone Projects to C-Suite level executives

PBS Wisconsin – Madison, Wisconsin
Capstone Project AWS Engineer, January 2025 – May 2025
- Work with PBS WI staff through a Capstone course to create a recommendation engine for PBS WI viewers
- Created an AWS data ingestion pipeline leveraging tools like AWS Glue, S3, Lambda, and Personalize
- Worked in an Agile team embodying SCRUM principles
- Conduct and collect user interviews to find a good solution for PBS' project

Promega – Fitchburg, Wisconsin
Quality Assurance Intern, May 2022 – April 2025
- Assisted Promega's internal audit team with external audits
- Assisted QA team through multiple weeklong FDA audits
- Modify and create procedures, forms, and records necessary for the quality system team
- Support development of record systems and maintain them to meet quality system requirements

PROJECTS:

PBS WI Recommendation Engine – TypeScript, AWS, Express.js, PHP, Python
- Use AWS tools to create a data ingestion pipeline to provide seamless content recommendations for 50,000+ users
- Work directly with members of the PBS WI team to create the recommendation engine to their specifications
- Worked in an Agile team using a Kanban board while ensuring a clean backlog was kept
- Create an interactive Frontend website with a built-in media player – allowing users to view their selected content
- Use Python/PHP scripts to scrape PBS' Media Manager API, extracting useful data for every show in their catalogue

154tattoo.com – HTML, CSS, JS, React, Next.js, Tailwind
- Use Next.js and Tailwind to create a tattoo artist's portfolio
- Used to book over 125 tattoo appointments a month, resulting in a 30% conversion rate increase
- Gained experience working with a client to develop and design a website that matched their requirements

badgergrades.com – Python, JS, HTML, CSS, React, Firebase
- Created a course search for all UW – Madison courses
- Collaborate with a group using agile methodologies to meet project deadlines
- Gained experience working with large amounts of data via JSON files
- Implemented various search functionalities to better serve UW – Madison students during course enrollment

michael-tran.com – HTML, Next.js, TypeScript, Tailwind
- Created a personal portfolio
- Used Figma to create a Bento Box UI Design which I implemented using the languages above

Statify – Kotlin, Spotify API, JS, Firebase DB
- Created a Spotify analytics android app that live updates with a user's listening habits
- Built an in-app Friend feature that allowed users to connect with others and share their music all in app

ACTIVITIES:

IHOP, International House of Programmers – Co-Founder
WSUM, Wisconsin Student Radio Station