Aaron Cedric A. Amano

Metro Detroit, MI | aaroncedric2005@yahoo.com | linkedin.com/in/aaronamano | github.com/aaronamano

EDUCATION

University of Michigan Dearborn — Expected: Apr 2028
Bachelor of Science in Computer and Information Science — *Dearborn, MI*

Relevant Coursework: Object-Oriented Programming, Discrete Mathematics, Calculus, Linear Algebra, Data Structures, Algorithms

CodePath Intermediate Technical Interview Prep (TIP 102) — Feb – Apr 2025
Participant — *Remote*

- Completed a 10-week technical interview program, mastering data structures and algorithms, resulting in enhanced problem-solving skills and preparation for coding interviews

EXPERIENCE

Mobile Developer — Jan – Feb 2025
University of Michigan Dearborn Society of Women Engineers — *Dearborn, MI*

- Helped a developer program an app for the **POWER 2025** Conference that hosted **81 guests and sponsors** from companies such as **HARMAN International**, **Magna International**, and **Adient**
- Programmed multiple screens from **Figma** using **React Native** and **Tailwind**, achieving its intended theme
- Tested the app using **Expo** and ensured that pages are navigable, making the UI effective for IOS devices

CERTIFICATIONS

Building RAG Apps Using MongoDB, MongoDB University – May 2025
AI Agents Fundamentals, Hugging Face – Mar 2025
Python Essentials I, Cisco Networking Academy – Sep 2024
JavaScript Essentials I, Cisco Networking Academy – Sep 2024

PROJECTS

StudySynth | GitHub | *Next.js, Perplexity Sonar API, OpenAI API* | Perplexity Hackathon — May 2025

- Created an app using **Next.js**, **Tailwind**, and **Shadcn** to generate personalized study guides from various user preferences; implemented file-based API routes to post the user query to **Perpelxity API** and **OpenAI API**
- Utilized Perplexity's **Sonar Deep Research** model for extensive web searching and gathering sources to create an organized study plan
- Integrated OpenAI's **GPT-4** model to generate practice questions and mock exams based on the user query's topics, strengths, and weaknesses

Quizlet Clone | GitHub | *React, Tailwind, Express.js, PostgreSQL* — Mar 2025 – Present

- Built a flashcard application using **React**, **Tailwind**, and **Chrome DevTools** to imitate **Quizlet's** UI
- Leveraged **TypeScript** for event-driven programming and static typing resulting in error-prone navigation
- Implemented **PostgreSQL** to store folders, sets, and flashcards, handling multiple relationships efficiently

Prioritizer Higher | GitHub | *Flask, OpenAI API, React, Tailwind* | Nosu AI Hackathon — Jan 2025

- Worked with 2 teammates to create a to-do list using **OpenAI API** and **Llama's 3.1** model to prioritize tasks based on deadline, difficulty, and duration
- Utilized **Flask** to post the user's todo list with an integrated prompt to the LLM API, returning a **JSON** response; engineered the response by filtering out certain fields to extract relevant content
- Implemented **CRUD** operations for the UI in **React**; formatted the LLM API's response in the frontend, displaying a readable, cleaner output

SKILLS

Programming Languages: Python, JavaScript, TypeScript, HTML, CSS, C++, SQL
Frameworks & Libraries: Next.js, React, Tailwind, Node.js, Express.js, FastAPI
Tools: MongoDB, Git, Linux, Postman, OpenAI API
Concepts: Prompt Engineering, Software Development Life Cycle, REST APIs