

Michael Parker

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Summary

Ambitious senior at the University of Central Florida with a focus on AI and Software Development. I am seeking a position in software engineering where I can work on innovative and exciting projects. I am skilled in collaborative team environments, developing high quality software solutions, and continuously growing my personal skillset to improve my knowledge.

Education

University of Central Florida

Bachelor of Science in Computer Science

Orlando, FL

May 2025

Projects

Capstone Project - Brain Beats (<http://bit.ly/4fgr8VP>)

August 2024-May 2025

- A new way to create music using your brain as the instrument. The user will watch a script of images, videos, and audio to stimulate brain activity which will generate music.
- As project manager for my team I ensure the project stays on track for completion using Jira to track milestones and acting as the primary point of communication between my team and our sponsor.
- Researched and built an affordable EEG Device using an Arduino
- Creating an algorithm to generate music based on emotions and brain activity from visual and audio stimuli
- Working with a large codebase that has been worked on by 5 previous senior design teams.

The Daily Danny (<https://bit.ly/3ALtqx5>)

January 2024-May 2024

- Developed a full CRUD website designed to deliver a dynamic news service with user written articles.
- Implemented MongoDB as the backend database to efficiently manage articles and users, including handling image uploads directly to our server.
- Designed a responsive frontend written in Svelte with a JavaScript backend to handle server operations.
- Collaborated with a team of 4 classmates to complete this project and design documents in a semester.

PTCG League Manager iOS App (<https://bit.ly/3XtZFd5>)

November 2023-Present

- Developed a custom iOS app for my local card store to manage their Pokémon league's player base.
- Utilized SwiftUI to implement key features including player entry, list management, custom sorting, and CSV/plain text importing and exporting.
- UI intentionally focuses on easy entry of new players and quick access to their information.
- On going maintenance as needed.

Lecture Lens

May 2023 - August 2023

- Transcribes a recorded lecture and separates it into summarized sections for easy understanding.
- Ability to answer questions based on the given lecture using Vector Databases for quick access to topics.
- Written in Python and Svelte, built with a team of 3 others.

Michael Parker Media Portfolio Website (<https://michael-parker719.github.io>)

November 2022 - May 2023

- Designed a website using HTML, CSS, and JavaScript to advertise my photography business.
- Utilized the Bootstrap framework to design an organized frontend for easy access to different sections.

Work Experience

Publix

Orlando, FL

Deli Clerk

Feb 2022 – Present

- Developed interpersonal skills by helping customers make selections in subs and sliced meat.
- Communicated effectively with team members to ensure high-quality service during busy hours.
- Improved operational efficiency by maintaining a clean and organized workspace, ensuring compliance with food safety standards.

Skills

Languages: Python, JavaScript, TypeScript, Java, C, Swift, HTML/CSS

Frameworks: Svelte, Pytorch, Bootstrap, Node.js

Databases: MongoDB, MySQL, Prisma

Tools: GitHub, Jira

Other Concepts: AI, Machine Learning, Vector Databases, LLM's

Certifications & Awards

Eagle Scout

Dedicated more than 10 years towards earning the highest award in the Boy Scouts of America, included leading a service project at Clark Elementary school.

Microsoft Technology Associates

Networking Fundamentals, Security Fundamentals, Mobility and Device Fundamentals, Software Development Fundamentals, HTML5 App Dev Fundamentals, Intro to HTML and CSS, Intro to JavaScript, Intro to Java