

NATHANIEL JOSHUA AYSON

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EDUCATION

Georgia Institute of Technology

- M.S in Computer Science — *Specialization in Human-Computer Interaction*

Atlanta, GA

Dec 2026

University of South Florida

- Graduate Certificate in Computer Science — *MSCS Bridge Program*
- B.S. in Health Sciences — *Concentration in Information Technology*

Tampa, FL

May 2024

May 2023

Relevant Coursework: Objected-Oriented Programming in Python, Data Structures, Analysis of Algorithms, WWW Design and Page Management, and Web Design Technologies

SKILLS AND CERTIFICATIONS

Languages: JavaScript, HTML/CSS, Python, C, Java, and SQL

Frameworks/Libraries: Express.js, LangChain.js, and Bootstrap

Tools: Git/GitHub, Node.js, Linux, and AWS

Certifications:

- AWS Certified Cloud Practitioner | *Amazon Web Services* / Feb 2024

EXPERIENCE

Manatee County Veteran Services

Software Developer Intern

Bradenton, FL

May 2024 – Aug 2024

- Assisted with migration of old website content from Veterans Services section to the new county website.
- Organized Veteran Services data by service type or external agency referrals to be used to improve navigation and SEO for new county website.
- Developed a chatbot using HTML, CSS, and JavaScript, and integrated it with the OpenAI API alongside LangChain.js to provide specialized answers regarding the Veteran Services section of the website.

Staples

Tech Associate

Tampa, FL

Jun 2022 – May 2024

- Performed technology related tasks such as software assistance, hardware repairs, and assisting customers with product inquiries.

PROJECTS

Veteran Services ChatBot | *Node.js, Express.js, and Langchain.js*

[View Code + Demo](#)

- Full-stack Retrieval Augmented Generation (RAG) chatbot to provide specialized answers regarding the Manatee County Veteran Services office and to connect veterans to their external agencies.
- Front-end is built with HTML/CSS and JavaScript. Backend is built with Node.js and Express.js then integrated with OpenAI API and LangChain.js.

MindfulMe | *HTML, CSS, and JavaScript*

[More about MindfulMe](#)

- A self-care website that allows users to manage their healthy habits, reflect with journaling, receive daily affirmations and happy song suggestions from the Spotify Web API.
- Led the building of the UI with HTML/CSS and used JavaScript to integrate the Spotify Web API during USF Hackathon 2023.