

# NATHANIEL JOSHUA AYSON

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## EDUCATION

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### 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

## SKILLS AND CERTIFICATIONS

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**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

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### 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.

### Hillsborough County Clerk of Court & Comptroller

*Information Technology Intern*

Tampa, FL

Sep 2024 – Dec 2024

- Contributed to the successful transition to new hardware by efficiently installing desktops, configuring laptops, and ensuring a smooth setup process for the staff.
- Assisted staff with technology-related inquiries, troubleshooted problems and provided solutions to ensure uninterrupted court operations.

## PROJECTS

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### 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.