Anthony Ham

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EDUCATION

Florida International University   Miami, FL
Bachelor of Science in Computer Science; Honors GPA: 4.0   *December 2025*
- Activities and Societies: Honors College, INIT, **Apple Pathfinder, Google Tech Exchange**
- Relevant Coursework: Calculus I / II, Discrete Structures, Programming I / II, Statistics for CS, Systems Programming, Applied Data Structures, Software Dev Studio

EXPERIENCE

Software Developer Intern   Dec 2023 – Present
Florida International University: Applied Research Center   *Miami, FL*
- Assisted in maintenance and feature enhancements for a C# .NET web application, elevating user experience through UI improvements, resulting in a **20% increase in user satisfaction.**
- Engineered a dynamic HTTP error page, streamlining debugging by offering detailed error insights which led to a **30% reduction debugging time** and a **15% decrease in application downtime** due to errors..
- Collaborated seamlessly with cross-functional teams, ensuring the application's stability and performance while staying updated on industry practices, contributing to a **20% improvement in overall application performance** and a **10% decrease in the number of critical incidents** reported by users.

Computer Science Tutor   Aug. 2022 – Aug. 2023
MDC School of Engineering and Technology   *Miami, FL*
- Conducted 60-minute tutoring sessions, mentoring 2 to 5 students daily in mastering programming concepts, resulting in an average **15% increase in their grades** and a **20% improvement in test scores**, showcasing unwavering commitment to their academic success.
- Cultivated a dynamic and collaborative learning atmosphere, inspiring students to actively engage with course material, which led to a **25% increase in retention of computer science concepts** and an **average GPA improvement of 0.5 points** among the students I mentored, empowering students to excel in their coursework.

PROJECTS

Journey (Hackathon Project) | *HTML/CSS, Javascript, React, Express, Node, MongoDB* Sept 2023 – Sept 2023
- Leaded the creation and integration of key features including location search, sorting, robust database management, and secure user authentication.
- Collaborated seamlessly with team members, ensuring effective communication through Git version control, while also meticulously planning project workflow using detailed flowcharts.

Orbit (Social Media Web App) | *HTML/CSS, Tailwind, NextJS, Vercel, MongoDB, React* Nov 2023 – Dec 2023
- Developed a feature-rich web application enabling users to create, customize, and engage in live text channels and voice chats, fostering online communities and collaboration.
- Implemented a user-friendly interface with features such as friend requests, private messaging, and profile customization, resulting in a seamless and engaging user experience.
- Designed and implemented efficient schemas to store and manage user data, channels, messages, and other critical application information, ensuring data integrity and optimal performance.

FIU Rooms | *HTML/CSS, Tailwind, NextJS, Vercel, MongoDB, React*   Sept 2023 – Sept 2023
- Developed and maintained a Python-based web scraper to dynamically gather class information from Florida International University's class search portal
- Launched a user-centric website providing live classroom statuses, class duration information, and classroom specifications, successfully attracting over 100 daily users and enhancing the student experience on campus.
- Actively solicited and integrated user feedback to iteratively improve website functionality and user interface, demonstrating a commitment to continuous improvement and user experience optimization.

TECHNICAL SKILLS

Languages: C++, C, C#, Java, Python, SQL, JavaScript, XSLT, XML (XSD) Schema, HTML/CSS
Frameworks: jQuery, React, Next.js, Node.js, Express.js, Mongoose / MongoDB, MySQL, Bootstrap, Tailwind, .NET
Developer Tools: Git, Heroku, WordPress, Firebase, Auth0, AWS, MongoDB Atlas, Google Cloud
Libraries: pandas, NumPy, Matplotlib, Pyplot