

# Adam Farrow

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GitHub: github.com/AdamFarrow1

## EDUCATION

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- **University of Central Florida**
  - *Bachelor of Science - Computer Science*
  - **Cumulative GPA:** 3.4
  - **Graduated:** December 2024

Orlando, Florida  
August 2020 - December 2024

## SKILLS

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- **Languages:** Java, Rust, C, C++, JavaScript, TypeScript HTML, CSS/SCSS
- **Frameworks/Tools:** React.js, Node.js, MongoDB, Express, MySQL, Bootstrap, Firebase, Git, Jest, AWS, Tailwind, Docker, Svelte, SvelteKit, Redis

## PROJECTS

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- **AI Outreach System:** Founded and developed an AI-powered outreach platform that automates real-time voice interactions using speech-to-text, text-to-speech, and AI-generated responses. Initially built during the ShellHacks hackathon in 48 hours and later refined into a full product. Successfully sold the software to a real estate brokerage to streamline client communication and outreach workflows.  
Technologies: Node.js, Fastify, OpenAI API, Twilio, Websockets, Google Cloud STT/TTS (September 2024)
- **Rust SQL Database:** Currently building a lightweight SQL database from scratch in Rust to deepen understanding of low-level systems programming, memory safety, and database internals. Focuses on B-tree indexing, file I/O, and command parsing. Designed to support SQL-like queries and structured data storage.  
Technologies: Rust, SQL, B+ trees, File Systems (In progress)
- **Senior Design Project:** Collaborated with a university professor to develop a smart water heater controller application using ESP32, integrating Bluetooth connectivity for mobile app control. Applied Agile methodology and weekly sprints to ensure effective project management and timely completion.  
Technologies: ESP32, Bluetooth, Agile, React-Native (2024)
- **Study Buddies:** A MERN stack application that helps fellow UCF students find a study partner.  
Technologies: React.js, MongoDB, Express, Bootstrap (January 2023)
- **Remi's Dog Training Institute Website:** This website was created for a real start-up company and is designed to show what their company has to offer in a modern yet welcoming website. The website provides in-depth details on their services and ways to communicate with the owner.  
Technologies: React, Bootstrap (June 2023)
- **AI Fit:** A full-stack mobile app designed to help people get in shape and meet their fitness goals. Offers AI-generated meal plans and workouts catered to users' specific needs.  
Technologies: React Native, MongoDB, Mongoose (In progress)

## EXPERIENCE

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- **Deloitte USDC**
  - *Incoming Software Developer – Core Business Operations*
  - **Offer Accepted::** Accepted a full-time offer as a Software Developer within Deloitte's Government & Public Services (GPS) division. Expected to contribute to software development, systems integration, and technology-driven consulting projects.
- **Mathnasium**
  - *Tutor*
  - **Tutor:** Designed a programming curriculum tailored for middle and high school students to introduce foundational coding concepts. Proposed the curriculum to the center, demonstrating its potential to expand educational offerings.
- **Frootful Marketing**
  - *Web Developer*
  - **Web Development:** Developed responsive, high-converting websites that aligned with marketing strategies. Optimized SEO and enhanced user engagement while collaborating with cross-functional teams.