

Cole Morgan

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EDUCATION

University of Florida

Bachelor of Science in Computer Science, GPA: 3.82

Gainesville, Florida

Aug. 2023 – December 2026

EXPERIENCE

Society of PC Building Web Developer

September 2024 – Present

University of Florida

Gainesville, Florida

- Developed a Next.js, React, and TypeScript website with Firebase integration, serving 800+ club members and featuring a custom admin panel for real-time content management.
- Built secure officer dashboard enabling authorized users to update project showcases and event information through Firebase dynamically.
- Collaborated with Gator User Design Club to transform Figma mockups into functional web pages and interactive admin interfaces.

Freelance Web Developer

December 2024 – Present

- Worked with clients such as professional soccer coaches and university organizations to deliver custom websites tailored to their needs.
- Delivered high-quality, user-friendly designs by combining technical expertise with clear communication and a focus on client satisfaction.
- Conducted regular meetings and calls with clients to ensure alignment on project goals, design aesthetics, and functionality.

Google Student Developer Club Webmaster

August 2024 – Present

University of Florida

Gainesville, Florida

- Redesigned the club's website into a responsive React application.
- Boosted the Google Lighthouse performance score from 41 to 100 on mobile devices.
- Partnered with club officers to accurately reflect the organization's values and vision.

PROJECTS

Coding Question Platform | *React, Docker, Firebase, JavaScript, Tailwind*

April 2024

- Developed a coding question platform using React and Tailwind, providing an interactive and user-friendly interface.
- Implemented user authentication and progress tracking with Firebase, securely storing data in Firestore.
- Deployed a containerized code execution engine using Docker, enabling safe and efficient code grading and execution.

AI Wildfire Monitoring Web App | *React, Typescript, Python, MongoDB, FastAPI*

January 2025

- Worked as the frontend engineer on a real-time wildfire monitoring system that allows users to connect their own CCTV cameras using WebSockets.
- Created an alert system that calls users using Twilio if smoke or fire is detected on their camera.
- Awarded "Best use of Auth0" for integrating a robust, secure, and seamless authentication system that enhanced user access and solved present environmental issues.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL (Postgres), NoSQL (MongoDB), Python, C++, HTML/CSS,

Frameworks: React, Next.js Node.js, Tailwind, Express.js, Flask, FastAPI

Tools: Git, Firebase, Docker, Google Cloud Platform, VS Code, Figma

AWARDS/ACHIEVEMENTS

Medihacks Hackathon Winner: Achieved 3rd place out of 53 submissions in a competitive week-long event.

Nurturing Gator Unity and Synergy Hackathon Winner: Secured 3rd place among 25 submissions at a university-sponsored hackathon.

KatyYouthHacks Hackathon Winner: Placed 3rd out of 46 submissions as a solo participant.