Cole Morgan

352-275-6077 | colemmorgann@gmail.com | colemorgan.me | linkedin.com/in/cole-morgan- | github.com/colemmorgan

EDUCATION

University of Florida — Gainesville, Florida
Bachelor of Science in Computer Science, Minor in Business Administration, GPA: 3.82 — *Aug. 2023 – April 2027*

EXPERIENCE

Student Developer Club Webmaster — September 2024 – Present
University of Florida — *Gainesville, Florida*
- Redesigned the club's website to create a responsive React application
- Improved the page's Google Lighthouse performance score from 41 to 100 on mobile devices
- Collaborated with club officers to accurately encapsulate the values and visions of the club.

PROJECTS

Fortnite Performance Tracker | *React, Express.js, Typescript, MongoDB, Figma* — August 2024 - Current
- Developed a Fortnite performance tracker with a React and TypeScript frontend, designed using Figma for a polished UI/UX.
- Enabled users to upload .replay files, which are processed by a RESTful Express.js backend, converting binary data into 100k+ lines of JSON.
- Extracted and analyzed data from replay files to generate in-depth performance statistics, enhanced with additional insights from integrated API endpoints.
- Implemented JWT authentication to secure user sessions and API requests, ensuring data privacy and access control.

Coding Question Platform | *React, Docker, Firebase, JavaScript, Tailwind* — April 2024 – Present
- 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.

Medical Micro-Credentialing App | *React, Typescript, Firebase, Tailwind* — July 2024 – Current
- Developed a responsive medical micro-credentialing web app using React and Framer Motion for seamless animations.
- Implemented a live multiplayer medical trivia feature allowing users worldwide to compete.
- Built a system for users to take medical courses and earn badges for progress, with live updates and analytics from the firebase backend.
- Awarded 3rd place and a $300 prize at a hackathon, showcasing the app's innovative features and robust functionality.

Portfolio Site | *React, Typescript, Framer-Motion, React-Three-Fiber* — October 2022 – Current
- A dynamic React-based web development portfolio animated with Framer-Motion and React Three Fiber to showcase my projects and skills.

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.