

# Connor Ragland

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[raglandconnor.com](https://raglandconnor.com)

## EDUCATION

### University of Florida

*Bachelor of Science in Computer Science, Bachelor of Arts in Mathematics*

Gainesville, FL

*Aug. 2022 – May 2026*

**GPA:** 3.77

**Relevant Coursework:** Data Structures and Algorithms, Computer Organization, Programming Fundamentals I, Programming Fundamentals II, Computational Linear Algebra, Differential Equations

**Organizations:** UF Association for Computing Machinery, Gator User Design

## EXPERIENCE

### Software Engineer Intern

*Florida Community Innovation*

Jul '24 – Present

*Gainesville, FL*

- Working on the ClimaGo Project, a mobile application that will help Miami reach its 1 million trees planted by engaging the community with a mobile game
- Collaborated to write grants to secure funding from the Florida Department of Agriculture and Consumer Services

### Incoming Software Engineer Fellow

*Headstarter AI*

Jul '24 – Present

*Remote*

- Participate in an intensive learning program for web development and Artificial Intelligence (AI)

## PROJECTS

### Personal Website | *React, Tailwind CSS, JavaScript, React-router, HTML, Vite, Git*

Jun '24 - Present

- Developed a responsive personal website using React, incorporating React-router for seamless single-page routing
- Utilized Tailwind CSS to create a visually appealing, mobile-responsive user interface
- Deployed the website on Vercel and configured a custom domain to enhance accessibility
- [raglandconnor.com](https://raglandconnor.com)

### Journal App | *React, TypeScript, Node.js, Express.js, MongoDB, Mongoose.js, Tailwind CSS, Git*

Jun '24 - Jul '24

- Developed a full-stack journal application with user authentication and secure data handling, using MongoDB, Express.js, React, and Node.js
- Designed and optimized the database schema with MongoDB and Mongoose for efficient data storage
- Engineered and deployed an API supporting full CRUD operations, enhancing front-end and back-end synchronization
- Styled the application using Tailwind CSS, creating a visually appealing, mobile-responsive user interface
- Applied web accessibility best practices to provide an inclusive user experience
- Conducted comprehensive testing and debugging to ensure stability and performance

### Pomodoro Timer and Todo List Web App | *React, JavaScript, HTML, CSS, Git, NPM*

Apr '24 - Jun '24

- Developed a web app to help students manage tasks and address procrastination
- Implemented state management and leveraged useRef/useEffect hooks in React for an interactive user experience
- Integrated features like a Pomodoro timer and a to-do list with countdowns and alerts for efficient task tracking

### Data Structure Comparison/Crash Data Aggregation Program | *C++, Git*

Feb '24 – Apr '24

- Leader of a team of three, organizing weekly meetings and delegating tasks
- Created a hash map data structure in C++ for efficient data storage
- Conducted performance comparisons between hash map and heap data structures to evaluate efficiency

## TECHNICAL SKILLS

**Languages:** TypeScript, C++, JavaScript, Python, HTML, CSS

**Frameworks:** Next.js, React, Tailwind CSS, Node.js, Express.js

**Libraries:** Mongoose.js, Jasmine

**Databases:** MongoDB

**Developer Tools:** Git, VS Code, PyCharm, CLion, NPM, Vite, Figma, Postman

**Concepts:** Object-Oriented Programming (OOP), Data Structures and Algorithms, Application Programming Interface (API), Responsive Web Design, Accessible Design, Software Development Lifecycle (SDLC), Front-End Development, Back-End Development