CONNOR RAGLAND

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EDUCATION

University of Florida — Gainesville, FL

Bachelor of Science in Computer Science, Bachelor of Arts in Mathematics — *Aug 2022 – May 2026*

GPA: 3.79/4.0

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

Organizations: UF Association for Computing Machinery

EXPERIENCE

Software Engineer Fellow — Jul 2024 – Present

Headstarter AI — *Remote*

- Participate in a group/project based intensive learning program for web development and artificial intelligence
- Lead front-end developer for a weekend hackathon, creating Reticketer with three others
- Using technologies such as Next.js, React.js, Node.js, Firebase, MongoDB, OpenAI

Software Engineer Project Lead — Jul 2024 – Present

Florida Community Innovation — *Gainesville, FL*

- Project lead for Recyclepedia, an app that aims to inform Miami-Dade county about how to properly recycle
- 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

PROJECTS

Reticketer: Web app for selling local event tickets | *Next.js, React.js, Tailwind CSS, Git* — Jul 2024

- Lead front-end developer for Reticketer, a project created for week one Headstarter Fellowship Hackathon
- Worked in a team of four, often organizing calls and managing tasks for my team
- Designed and implemented the navbar, contact, login, create listing, and search page
- Reached over 80 visitors with 300 page views in under 24 hours

Journal App | *React, TypeScript, Node.js, Express.js, MongoDB, Mongoose.js, Tailwind CSS, Git* — Jun 2024 – Jul 2024

- 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

Pomodoro Timer and Todo List Web App | *React, JavaScript, HTML, CSS, Git, NPM* — Apr 2024 – Jun 2024

- 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

Minesweeper | *C++, SFML, Git* — Nov 2023 – Dec 2023

- Utilized SFML to create an interactive user interface, emulating the original game experience
- Applied object-oriented programming principles to design a maintainable and reusable codebase

TECHNICAL SKILLS

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

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

Libraries: Mongoose.js, OpenAI API, Jasmine

Databases/Cloud Platforms: MongoDB, Firebase

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

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, CI/CD