

CONNOR RAGLAND

US Citizen | Gainesville, FL | [REDACTED] | connor@rglnd.com | [linkedin.com/in/raglandconnor](https://www.linkedin.com/in/raglandconnor) | [raglandconnor.com](https://www.raglandconnor.com)

EDUCATION

University of Florida, Gainesville, FL

Expected Graduation: May 2026

- *B.S. in Computer Science, Minor in Mathematics*
- *GPA: 3.80/4.00*
- *Relevant Coursework: Data Structures and Algorithms, Algorithm Design, Object-Oriented Programming in C++, Computing in Python, Intro to Software Engineering, Computer Architecture, Enterprise Software, Linear Algebra*

TECHNICAL SKILLS

- Languages: *C++, Python, JavaScript, HTML/CSS*
- Frameworks/Libraries: *React, Node.js, Express.js, Next.js, Tailwind CSS*
- Databases: *MongoDB, Firebase*
- Developer Tools: *Git, GitHub, Postman, Figma, Jira, VS Code, JetBrains IDEs, Linux, MacOS*

WORK EXPERIENCE

Florida Community Innovation, *Software Engineer Intern*, Gainesville, FL

Jul. 2024 – Present

- Working directly with Miami-Dade County government, leveraging JavaScript, React, Tailwind CSS, Node.js, and Firebase, to build a user-friendly platform designed to simplify recycling efforts across 34 municipalities
- Created a dashboard that enables the county government, 34 municipalities, and hundreds of businesses to individually update their accepted recyclable items

Headstarter AI, *Software Engineer Fellow*, Remote

Jul. 2024 – Sep. 2024

- Participated in a group-based intensive learning program, gaining expertise in web application development, artificial intelligence, and project management
- Developed a YouTube transcript AI chatbot with a Retrieval-Augmented Generation (RAG) pipeline, leveraging LLMs, LangChain, and Pinecone's vector database, to ensure response relevance and accuracy
- Led a team of 4, improving team coordination and project delivery efficiency, resulting in the team placing in the top 5 out of 100 teams during a hackathon
- Developed the front-end for each project by using React and Tailwind CSS, reaching over 1,000 users in total

PROJECTS & LEADERSHIP

GatorGrind: Mental Wellness | *JavaScript, React, Node.js, Express.js, MongoDB, CSS, Git*

Sep. 2024 – Dec. 2024

- Developed an authentication system using JWT cookies and password encryption to prevent unauthorized access
- Developed protected RESTful API routes for user account management, forum post CRUD operations, and like/comment functionality, ensuring secure and scalable data flow between frontend and backend systems
- Designed and developed a responsive frontend for the forum, chatbot, and login pages, leveraging mobile-first design principles to deliver a seamless user experience across all devices
- Developed an AI mental health chatbot using OpenAI's GPT-3.5 turbo API, leveraging system prompts to provide context-aware information about UF's wellness resources, serving as a 24/7 support resource for students
- Used Postman to test API endpoints and write comprehensive documentation for the backend

Data Science for Sustainable Development Club, *Technical Project Lead*, Gainesville, FL

Sep. 2024 – Present

- Managed a team of 17 members with biweekly sprint cycles, overseeing backlog prioritization and task assignments
- Organized tasks and resources, utilizing slack and a scrum board, simplifying on-boarding and task assignment

CrashGuard: Car Accident Data Analysis Program | *C++, Git*

Feb. 2024 – Apr. 2024

- Designed and implemented a custom hash map data structure in C++, optimizing data storage and retrieval
- Evaluated a dataset of 7.7 million crashes, resulting in the identification of high-risk locations
- Leader of a team of three, organizing weekly meetings and delegating tasks, facilitating on-time project delivery