

Connor Ragland

connor@cdragland.com | cdragland.com | linkedin.com/in/raglandconnor | github.com/raglandconnor

EDUCATION

University of Florida

Gainesville, FL

Bachelor of Science in Computer Science, Minor in Mathematics

Expected Graduation: May 2026

- **GPA:** 3.79/4.00
- **Relevant Coursework:** Data Structures and Algorithms, Algorithm Design, Operating Systems, Programming in C++, Programming in Python, Computer Architecture, Intro to ML, Database Systems, Programming Languages

EXPERIENCE

Technical Project Manager

Jul 2024 – Present

Florida Community Innovation

Gainesville, FL

- Architected and developed an intelligent data aggregation system using Python web scraping frameworks, LangChain agent orchestration, and OpenAI GPT-5 models to automatically curate community resources, reducing manual data entry by 100%.
- Led cross-functional team of 5 engineers through agile development and code reviews to deliver an AI agent.
- Collaborated with backend team lead to design and implement new REST API endpoints for MongoDB integration, enabling seamless data flow between AI agent and existing infrastructure.
- Partnered with team leads to design intuitive user interfaces for AI agent interaction and data management dashboard, implementing workflows for data scraping, validation, and production deployment to streamline content operations.

Software Engineer Intern

May 2025 – Aug 2025

SKAIVISION

Remote

- Architected Java-based event streaming middleware to capture and analyze customer behavioral patterns across 10+ application touchpoints, enabling data-driven product decisions through automated trend detection and reporting.
- Optimized distributed server monitoring infrastructure across 250+ servers with custom algorithms, improving offline detection accuracy by 33% and reducing false positive alerts by 60%.
- Built responsive React dashboard with real-time data integration for system monitoring, providing live performance metrics and customer engagement analytics to internal stakeholders across multiple teams.
- Engineered LLM-powered conversational AI Agent using natural language for internal database queries, reducing manual data analysis time by 60% and enabling non-technical teams to access complex performance insights.

PROJECTS

PodCite | *Next.js, Tailwind CSS, Python, FastAPI, LangGraph, Whisper, XAI API, Git*

Sep - Oct 2025

- Architected full-stack podcast analysis platform integrating RSS feed parsing, speech-to-text transcription, and real-time contextual source discovery, processing audio content into URL sources.
- Engineered LangGraph AI workflow orchestrating grok-4-fast to autonomously search arXiv, Wikipedia, Congress.gov, and other web sources, surfacing relevant articles and citations synchronized to podcast timestamps.
- Built responsive Next.js frontend with FastAPI backend enabling real-time transcript analysis and contextual source linking, delivering seamless user experience for research/fact-checking during podcast consumption.

DSSD Gainesville Club Website | *Next.js, JavaScript, Tailwind CSS, Git*

Dec 2024 – Jan 2025

- Designed and developed the [club website](#) to showcase club achievements, projects, and member profiles, enhancing online visibility and engagement.

YouTube Transcript RAG Chat | *Next.js, Tailwind CSS, Node.js, LangChain, Git*

Jul 2024

- Engineered a LangChain Retrieval-Augmented Generation (RAG) pipeline to extract YouTube transcript data and populate a Pinecone vector database for relevant, context-aware data retrieval.
- Built and deployed a Next.js and Tailwind CSS chatbot leveraging the RAG pipeline and GPT-4 Mini to provide video-specific responses, successfully serving 150 users in 24 hours during a hackathon.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript/TypeScript, HTML/CSS, Java, SQL

Frameworks: Node.js, Express.js, LangChain, LangGraph, FastAPI, React, Next.js, Tailwind CSS, Spring Boot

Developer Tools: Git, VS Code, PyCharm, CLion, IntelliJ, Cursor, GitHub, Postman, Figma