

Brendon J. Carroll

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EDUCATION

University of North Carolina at Chapel Hill
Computer Science & Statistics BS

Chapel Hill, North Carolina
May 2026

WORK EXPERIENCE

Wells Fargo

Software Engineer Intern

Charlotte, North Carolina

June 2025 - Aug 2025

- Built agentic AI reconciliation tooling using Google ADK + REST APIs, cutting manual analysis of **50+** high-priority transaction breaks daily.
- Designed a prompt-tuning GUI that reduced dataset prep time from **1 hour** to under **5 minutes** via token counting, output validation, and dynamic injection.
- Demoed agent capabilities to over **30** senior managers and engineers.
- Configured a RAG database (**100k+ data breaks**), improving prediction accuracy by **20%** by retrieving relevant transaction tickets.
- Delivered A/B evaluation features for LLM outputs, reducing manual response review time by **90%**.
- Automated generation of JSON/XML payloads and large-scale execution workflows, enabling stress tests with **10,000+** API calls to verify performance and stability.

Cisco

Software Engineer Intern (Incoming)

Raleigh, North Carolina

January 2026 - April 2026

- Selected for a competitive 12-week internship within the AI & Automation org

Ember Learning Org

Lead Software Engineer

Remote

June 2025 - Present

- Built a comprehensive AI-powered educational platform supporting multiple learning modalities with real-time feedback, automated grading using GPT-4, and sophisticated rubric-based assessment systems, serving **50+** classrooms.
- Migrated & optimized **12+** Azure resources—including PostgreSQL flexible server, VMs, App Services, Container Apps, Key Vaults, and AI services—from one tenant to another, **saving \$8,000/year**.

UNC School of Medicine

Software Engineer Intern

Chapel Hill, North Carolina

August 2022 - Present

- Enhanced Django-based clinical tools supporting workflows for **500+** UNC hospital employees.
- Developed a Jira Cloud app integrating Outlook meetings with Jira worklogs used by a team of **30**.
- Created test suites achieving **90%+** code coverage across Django applications.
- Managed Dockerized deployments and CI/CD pipelines using Bitbucket Pipelines, increasing automated test execution rates for **10** major repositories.

SOLO PROJECTS

Agent Trader 1

Founder and Developer

Chapel Hill, North Carolina

September 2026 - Present

- Architected a multi-agent AI framework with scope-based permissions, inter-agent messaging, linearized tool exposure, dynamic MCP connections, and Pinecone RAG retrieval—enabling autonomous, observable, and fault-tolerant coordination across complex trading and research workflows.
- Integrated the IBKR API to support real-time market data ingestion and multi-asset order execution.
- Built a financial data pipeline aggregating multiple market intelligence sources like SEC EDGAR filings.

TECHNICAL SKILLS

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

Frameworks: React, NextJS, Tailwind CSS, Django, Flask, Google ADK, FastAPI, Prisma

Databases: Supabase, MySQL, PostgreSQL, Firebase, Redis

Developer Tools: Docker, Azure, Jenkins, CI/CD, Linux, Git, SSL, SQLAlchemy, Doppler, Railway, Cursor