

Mitchell Anderson

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EDUCATION

University of North Carolina at Chapel Hill

Chapel Hill, NC

B.S. Computer Science; Minors: Math, Economics - GPA 3.97/ 4.00

May 2026

- **Courses:** Machine Learning; Web Programming; Software Engineering; Files and Databases; Data Structures and Algorithms; Linear Algebra; Probability; Calculus I, II, III; Econometrics; Microeconomics

PROFESSIONAL EXPERIENCE

Software Engineer Intern

Santa Clara, CA

ServiceNow

May - August 2024 & May - August 2025

- Developed full-stack features for **Workflow Data Fabric**, integrating external data lakes (Snowflake, Databricks) into the ServiceNow platform, enabling downstream **AI agent workflows**
- Built and optimized backend services in **Java** and **Trino/Munin** for querying large-scale datasets, improving data pipeline performance and reliability
- Implemented frontend components using **JavaScript, npm**, and ServiceNow's internal **Seismic** UI framework to deliver intuitive UI features for data mapping and workflow creation
- Delivered features in an **Agile** environment, completing user stories across backend and frontend within sprint cycles, contributing to a cross-functional data engineering team

Founding Engineer

Winston Salem, NC

Rover RideShare

August 2023 - Present

- Founded and served as sole full-stack engineer for a social ridesharing startup, developing the MVP to live product and generating **\$25k+** in early revenue without external funding
- Designed and deployed backend architecture in **Python/Flask** with **GCS**, ensuring scalable ride data storage and user management
- Built cross-platform mobile app in **React Native**, enabling students to book rides, share locations, and view **real-time demand heat maps** of popular campus destinations

Systems Engineer Intern

Crystal Lake, IL

Clayens NP USA

May 2023 – August 2023

- Developed **Python automation scripts** to monitor database health and system performance, reducing manual oversight and improving reliability across multiple North American Facilities
- Supported administration of large-scale data servers and internal infrastructure, ensuring high availability for manufacturing systems used across plants

PROJECTS

Luminary – Accessible Navigation Application | Javascript, SwiftUI, Node, CloudApps, Figma

Spring 2025

- Developed an iOS app in **SwiftUI** offering customizable navigation for students with disabilities across UNC's campus.
- Implemented logic enabling navigation routes to dynamically avoid reported obstacles, offering both visual and auditory guidance based on user preferences
- Collaborated with UNC's **Tar Heels at the Table** and a PhD accessibility researcher for user research, testing, and design validation

Rice Savers – Full Stack ML Webapp | HTML, CSS, Flask, Python, TensorFlow

October 2022

- Built a webapp with **Flask** and **HTML/CSS** where users upload rice crop images for automated disease detection
- Trained a **convolutional neural network** in **Python/TensorFlow**, achieving a **95%** classification accuracy across multiple crop disease types and received best 'Best Junior Hack' as a team of freshman

LEADERSHIP AND INVOLVEMENT

Teaching Assistant – UNC Computer Science Department

Fall 2023 – Present

- Supported **Intro CS (Python)**, **Software Engineering (Python, FastAPI, Angular, Typescript)**, and **Web Development (React, Supabase, Next.js, Tailwind CSS, Drizzle)** courses
- Hosted **10+** office hours per week and led review sessions, reinforcing key concepts and ensuring student success

Chief Marketing Officer & iOS Developer – App Team Carolina

Spring 2023 – Present

- Led marketing and outreach for a 200+ member student-run iOS development organization, increasing recruitment
- Designed and developed iOS applications in Swift/SwiftUI, contributing to features used by hundreds of UNC students

TECHNICAL SKILLS

Languages/DBs: Python; Java; JavaScript/TypeScript; HTML/CSS; SQL; C; C++; Bash; MongoDB; Supabase

Frameworks/Tools: React; Next.js; Node.js; Pandas; Docker; Git; Angular; RESTful API; AWS; Firestore; SwiftUI; Postman; Jupyter; TensorFlow; PyTorch; GCS