Mitchell Anderson

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Education

The University of North Carolina at Chapel Hill | GPA: 4.0

- Bachelor of Science in Computer Science, Expected 2026
- Bachelor of Arts in Economics, Expected 2026

Experience

SWE Intern | ServiceNow May 2024 - August 2024

- Spearheaded the development of a feature to assist users in linking their data to ServiceNow's data tables.
- Leveraged ServiceNow's in house frontend framework named Seismic, Java, and JavaScript to architect a feature that tells gives users insights into their data (XLS, CSV, JDBC)
- Integrated the feature into the teams existing codebase ensuring a more efficient workflow

IT Intern | Clayens NP USA May 2023 - August 2023

- Troubleshot and administered Windows Active Directories, **DNS**, and **DHCP** servers
- Developed and maintained print, computer, and phone servers for facilities both remotely and on-site across North America
- Coordinated the deployment of enterprise-wide shared storage, networking, and security infrastructure for users across 15 locations in North America

iOS Developer | App Team Carolina January 2023 - Present

- Programmed iOS applications using **Swift, SwiftUI, XCode** and **Git** in an Agile/Scrum Methodology
- Designed and developed UIs with SwiftUI, UIKit, and CoreAnimation
- Worked with UI Designers, Product Managers, and Developers to make full stack iOS applications

Teaching Assistant | UNC Department of Computer Science January 2024 - Present

- Conducted 5 hours a week of office hours, providing guidance and support to students learning how to code in **Python** in our introductory CS course named COMP 110
- Assisted students in understanding fundamental programming principles, including variables, data types, loops, and conditionals

Projects

RiceSavers (Python)

- Developed a machine learning model using **TensorFlow**, achieving up to 90% accuracy in classifying 10,000 images of rice crops as healthy or diseased
- Developed a user-friendly interface with **HTML** and **CSS**, enabling users to upload images for crop health analysis
- Deployed the model to users using **Flask**, enabling seamless integration between the frontend and backend for efficient image processing and result display
- Awarded "Best Junior Hack" at **HACKNC 2022** for the most innovative application in agricultural technology

HeelFuel (Swift)

- Designed and implemented a multi-view, object-oriented application in **Swift** for tracking daily caloric intake and fitness goals
- Automated data extraction using **Python** to scrape university dining hall nutritional information and convert it into JSON format for app integration
- Built a robust user authentication and data storage system with Firebase, ensuring seamless, real-time updates of dining hall food data

Technologies and Languages

- Java, Swift, C, Python, HTML, CSS, JavaScript/TypeScript, React, Angular and Git