

## EDUCATION

### University of North Carolina Chapel Hill

May 2026

- **Double-Major:** Computer Science (B.S.) & Business Administration (B.S.B.A.)
- **Relevant Coursework:** Data Structures, Algorithms, Software Engineering
- **Programming Languages:** Java, Python, C, HTML, CSS, JavaScript
- **Frameworks & Libraries:** React.js, Node.js, Express.js, Tailwind CSS, Scikit-learn, Pandas, BeautifulSoup
- **Tools/Technology:** SpringBoot, SQL, GitHub, Eclipse, Jenkins, Devnet, AppD, IoT, Git
- **Community Activities:** Business Technology Club, First Generations Investors Club, Spikeball Club, Competitive Programming Club, and Finance Society
- **Leadership:** President and Co-founder of Iota Nu Delta fraternity,

## EXPERIENCE

### Goobr. - Chapel Hill, NC

March 2024 - Present

#### Founder & CEO

- Co-founding Goobr, a ride-sharing service using golf carts around UNC's college campus, aimed at providing a convenient and eco-friendly transportation solution for students
- Leading the development of the Goobr mobile app primarily using **TypeScript**, focusing on building a robust and scalable codebase

### Depository Trust & Clearing Corporation (DTCC) - Tampa, FL

June 2023 - August 2023

#### Software Engineer Intern

- Collaborated with a cross-functional team of 10+ people globally to develop and implement two innovative technological solutions in a company-wide effort to decrease the US settlement cycle to T+1
- Learned and applied **SQL** database schemas and queries to efficiently support data storage and retrieval for a database containing over 300,000 entries.
- Assisted in the planning and execution of data migration projects, ensuring seamless transitions and minimal disruption to business operations for 3+ departments
- Designed and implemented **RESTful APIs** using **Spring Boot** and **Java** to enhance communication between front-end and back-end legacy financial systems on a web application utilized by over 3,000 employees.

### CISCO - Cary, NC

June 2021 - July 2021

#### Cisco High Insight Extern

- Formulated a comprehensive business plan utilizing innovative Cisco technology, aimed at optimizing healthcare services for increased efficiency; focused on the integration of cutting-edge solutions to streamline healthcare delivery and enhance patient care
- Pitched strategic recommendations to a panel of 5+ Cisco executives
- Earned 3rd best rating out of 35 other candidates in the program
- Diversified technical expertise in the fields of cybersecurity, **Devnet**, **AppD**, and **IoT**

## PROJECTS

### Premier League Machine Learning Predictor

May 2024

#### Python - Beautiful Soup | Pandas | Skit-learn

- Created a **Python**-based algorithm to predict Premier League outcomes using four seasons of historical data. Employed web scraping with **Beautiful Soup** to gather key match metrics like goals scored and conceded, and calculated rolling averages and performance metrics using **Pandas**.
- Designed and trained logistic regression and random forest models using **skit-learn**, optimized with hyperparameter tuning and cross-validation. Created functions to predict match outcomes using expected goals and Poisson distribution for win probabilities, ultimately resulting in a 62.5% prediction accuracy

### Annapurna - Web Development

April 2024

#### JavaScript | React | Tailwind CSS

- Developed a fully responsive web application for Annapurna Catering using **JavaScript**, **React**, and **Tailwind CSS**, enhancing user experience on all facets
- Implemented features such as responsive feedback forms and review sections, improving customer engagement and satisfaction, leading to a boost in company's overall reviews by 1.2 stars
- Boosted revenue by 180% through the enhanced online presence and new website functionalities.