

EDUCATION

- **Georgia Institute of Technology** Atlanta, GA
Computer Science (M.S.), Computing Systems Specialization Aug 2022 - Dec 2024
- **University of North Carolina at Chapel Hill** Chapel Hill, NC
Computer Science (B.S.), Statistics and Analytics Minor August 2018 - May 2021

SKILLS

- **Certifications:** AWS Certified Solutions Architect, SAFE for Teams (5.1)
- **Languages:** Java, C#, JavaScript, Python, SQL, C
- **Technologies:** Spring Boot, Spring MVC, .NET Core MVC, Azure, Docker, Maven, Gradle, SQL, DB2, Oracle

EXPERIENCE

- **MetLife** Cary, NC
Software Engineer June 2021 - Present
 - Developed and deployed **Java microservices** (Spring Boot APIs) using Docker and Azure Kubernetes Service.
 - Developed **AI chatbot using Retrieval Augmented Generation (RAG)** to assist underwriters in executing policy decisions using insurance business rules built on **Azure Document Intelligence + OpenAI Service**.
 - Lead program to roll out **GitHub Copilot** across business unit and trained engineers on usage. Conducted enterprise-wide workshops on leveraging **Generative AI** (such as **GPT-4**) and integrate them into business apps.
 - Developed new features/resolved bugs for **Spring MVC, Spring Boot, Struts, and .NET Core MVC**.
 - Designed frontend webpages and components using **React and Angular** frameworks.
 - Created **DevOps CI/CD** pipelines to streamline development workflow and increase deployment frequency.
 - Refactored a 60k LoC application from Struts to Spring MVC with Thymeleaf to mitigate security vulnerabilities.
 - Performed production support responsibilities and conducted **application deployments**.
 - Mentored 3 engineers as a team lead and coordinated with internal infrastructure teams to migrate applications from IBM WAS to Liberty to strengthen application currency and security posture.
 - Implemented client-side JavaScript for web applications using **JQuery, DOM, and Fetch APIs**.
 - Built and deployed **Python** application that automates data extracts for business customers using **Pandas**.
 - Developed SQL Stored Procedures for **DB2 and SQL Server** databases.
 - Used Selenium to create application regression testing solution and wrote CD pipeline to execute in Azure.
- **UNC Department of Computer Science** Chapel Hill, NC
Undergraduate Research Assistant Dec 2020 - May 2021
 - Developed a Google Docs extension that helps Linguistics Researchers convert Research Materials on COVID-19 to the Federal Government's Plain Language Format. This format is accessible to Americans with reading disabilities.
 - Developed as part of a CDC contract in partnership with UNC's Center for Literacy and Disability Studies and Georgia Tech's Center for Inclusive Design and Innovation. Project results accessible here.
- **MetLife** Cary, NC
Technical Intern June 2020 - July 2020
 - Worked alongside Software Engineering teams to improve application performance and efficiency by connecting applications to database, designing efficient schemas, and improving query usage in applications.
 - Optimized time-intensive operations by developing PowerShell scripts that automated tasks such as database backup, restore, and reindexing which previously cost team several hours of manual effort.
 - Competed with 120+ other technical and business interns and won *Most Popular App Idea* Award for app designed as part of MetLife's annual Innovation Challenge.
- **UNC Department of Computer Science** Chapel Hill, NC
Undergraduate Teaching Assistant Jan 2019 - Dec 2020
 - Provided programming expertise, conceptual understanding, conducted exam reviews, and helped with independent projects for an introductory programming class.
 - Organized and mentored students to develop coding skills during an overnight hackathon each semester. Presented workshops geared towards familiarizing students with Software Engineering principles.
 - Wrote weekly assignments and study guides to help students deepen their understanding of important programming concepts such as recursion and dynamic programming.