

EDUCATION

- **Georgia Institute of Technology** Atlanta, GA
Bachelor of Science in Computer Science; GPA: 3.75 Aug. 2020 – Dec. 2023

PROGRAMMING SKILLS

- **Languages:** Python, Javascript, C++, SQL, Java, Dart **Technologies:** Git, React, Docker, Figma, MySQL

EXPERIENCE

- **NCR Voyix** Atlanta, GA
Software Engineer Feb. 2024 - Present
 - Leveraged code quality technologies such as SonarQube to identify and resolve critical bugs, code smells, and security vulnerabilities within a large-scale C++ enterprise codebase
 - Conducted comprehensive code analysis, leading to the detection and remediation of 500+ code issues, resulting in a 30% reduction in technical debt, enhancing overall code quality and maintainability
 - Diagnosed and resolved complex bugs reported by large corporate clients in NCR Voyix's point of sale systems, ensuring minimal downtime and operational efficiency
 - Utilized virtual machines and site lab environments to accurately reproduce and troubleshoot customer-reported bugs, ensuring thorough analysis and effective solutions
- **NCR Corporation** Atlanta, GA
Software Engineer Intern Summer 2022 and 2023
 - Developed a full-stack AI chatbot application using React and Python that streamlines shoppers' experiences at NCR locations
 - Deployed an open source large language model to a server with threading and TCP to manage efficient communication and concurrent processing, boosting overall performance by 40%
 - Leveraged open-source libraries such as Langchain and GPT4All to prompt engineer and optimize the large language model achieving a 51% increase in the response length and relevancy
 - Integrated NCR's API functions to provide real-time product information, availability, and pricing, enhancing the chatbot's utility and user experience
 - Curated over a dozen NCR React components and pages using Material UI components following industry standard Material Design system guidelines and principles
 - Utilized Linux, bash scripts, and Docker to containerize the NIST Statistical Test Suite used to test the validity and security of random number generators in production code in the case of a PCI – DSS audit
 - Streamlined the testing process by deploying the internal tool complete with a comprehensive guide, vastly increasing accessibility and efficiency for all NCR development teams
- **Carrie's Closet** Atlanta, GA
Capstone Project Aug. 2022 - May 2023
 - Built and deployed a cross platform mobile application for a non-profit organization that provides clothes and hygiene products to hundreds of at-risk children in 80+ schools in the Georgia public school system
 - Utilized Flutter to build a user-friendly mobile application for both Android and iOS platforms
 - Implemented a RESTful API backend in Python to query a Firebase NoSQL database to securely store hundreds of user information and clothing/hygiene requests
 - Designed a high-fidelity prototype in Figma based on industry standard Material UI/UX design principles, user research, and client feedback

PROJECTS

- **BuzzCoin:** Launched a cryptocurrency using a blockchain with a Proof-of-Work algorithm made with Python, Flask, HTML/CSS, and SQLite where users can register and login, and trade/mine BuzzCoins