Ephraim Kwon
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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, Go, C++, SQL, Java   **Technologies**: Git, AWS, Docker, React, Flutter

EXPERIENCE

- **NCR Voyix** — Atlanta, GA
  Software Engineer — *Feb. 2024 - Present*
  - Conducted comprehensive code analysis using SonarQube, leading to the remediation of 500+ code issues, resulting in a 30% reduction in technical debt, enhancing overall code quality and maintainability
  - Coordinated with QA teams to diagnose and resolve 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 chatbot application using ReactJS and Python innovating the shopping experience with AI at over 500 NCR convenience and fuel retail locations nationwide
  - 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 90%
  - Leveraged open-source libraries such as Langchain and GPT4All to prompt engineer and optimize the large language model achieving a 62% 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
  - Architected and implemented the containerization of the NIST Statistical Test Suite utilizing bash scripts and Docker, streamlining PCI-DSS compliance testing 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 REST 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

- **Cloud Resume Challenge: Personal Portfolio** — ephraimkwon.com
  Personal Project — *June 2024 - Present*
  - Completed the Cloud Resume Challenge by deploying my personal portfolio web application to AWS
  - Implemented a serverless architecture by using Golang to handle AWS Lambda function calls to get and update items in a DynamoDB table
  - Architected a CI/CD pipeline to automate the deployment of the portfolio to an AWS S3 bucket