# John M. Choi

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## EDUCATION

**Georgia Institute of Technology, College of Computing**　　　　　　　　Atlanta, GA
Master of Science in Computer Science　　　　　　　　Aug 2024 - Present, Part-time
**The Ohio State University, College of Engineering**　　　　　　　　Columbus, OH
Bachelor of Science in Computer Science and Engineering　　　　　　　　May 2022

## SKILL

**Coding Languages**: Python, Java, Swift, JavaScript, TypeScript, C, C++, Go, SQL, JSON
**Frameworks and Tools:** Git, React.js/ts, Spring Boot, AWS, Jenkins, XCTest, MyBatis, Node.js, GitHub Actions
**Industry Knowledges:** Software Engineering, Object-Oriented Programming, Test Driven Development, Agile, CI/CD

## WORK EXPERIENCE

**Software Engineer II**　　　　　　　　Columbus, OH
JPMorganChase　　　　　　　　Jan 2025 – Present
- Developed an enterprise-level full-stack application for tracking Legal Entities and JPMC's legal permissibility to place trades, utilizing Spring Boot, Hibernate, React, Oracle DB, and microservices architecture
- Gained hands-on experience across all stages of the software development lifecycle, including planning, building, testing, and deployment
- Collaborated effectively with developers, product managers, and end-users to deliver high-quality application

**Software Engineer I**　　　　　　　　Columbus, OH
JPMorganChase　　　　　　　　July 2022 – Jan 2025
- Developed a full stack application with React.js, Java, Spring Boot, MyBatis, and Oracle DB for the Core Development Engineering team. Utilized Apache Kafka to implement event based microservice architecture and process database transactions
- Developed a test generation tool that copies all or a part of the customer's production data from their DB to be used as testing data. The customer would submit a generation request by submitting a REST request with a body to the endpoint hosted by AWS API Gateway, which gets stored in the AWS DynamoDB after triggering an AWS Lambda function to process the request

**Software Engineer Intern**　　　　　　　　Cupertino, CA
Apple Inc.　　　　　　　　May 2021 – Aug 2021
- SWE intern in the Internet Technologies team as a Comm Application Automation Intern
- Assisted the Apple Mail team with the testing and production of the Apple Mail app on macOS platform. This included writing automation tools and code for testing the app, diagnosis of bugs found, and filing a bug report. Wrote tools with the internal automation framework in Python and Swift (XCTest)

**iOS R&D Technical Intern**　　　　　　　　Cary, NC
SAS Software Inc.　　　　　　　　May 2020 – Aug 2020
- Responsible for Data and Analytics Visualization app on the iOS platform
- Assisted the iOS software engineering team with the development and production of the SAS Visual Analytics app. This included writing automation tools and code for testing the app, diagnosis of bugs found and developing fixes in the code. The internship also involved prototyping and developing solutions on the mobile platform for a research topic in Analytics, Data Visualization and Mobile Computing

**Software Developer Intern**　　　　　　　　Morrisville, NC
Lenovo United States　　　　　　　　May 2019 – Jan 2020
- Developed a software solution that automated a significant number of repetitive tasks performed by the employees
- Utilized Java with JavaFX framework and used multithreading to perform multiple GET REST calls simultaneously

## SIDE PROJECTS

Please see github.com/johnchoi96 for additional projects