John M. Choi

Columbus, OH | choi.1655@osu.edu | linkedin.com/in/johnchoi96 | github.com/johnchoi96

WORK EXPERIENCE

Software Engineer   Columbus, OH
JPMorgan Chase & Co.   July 2022 – Present
- Assisted in developing a REST API backend application using 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
- Assisted in developing a full stack application by utilizing React.js, Bootstrap, and Spring Boot
- 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)

Undergraduate Research Software Engineer   College Park, MD
NASA THP 2017 Project   Oct 2018 – May 2021
- Undergraduate assistant under the supervision of Dr. DK Kang sponsored by NASA THP project titled "SWE Retrieval Performance using Active and Passive Microwave Observations"
- Duties included developing and maintaining applications mainly written in C, C++, MATLAB, and Python
- Co-authored an abstract titled "Physically Based Hydrology Model in a Snowmelt-Dominant Watershed" for 2020 AGU Fall Meeting

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   College Park, MD
Lenovo United States   May 2019 – Jan 2020
- Responsible for developing 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

EDUCATION

The Ohio State University   Columbus, OH
Bachelor of Science   May 2022
Computer Science and Engineering
Specialization in Software Engineering

SKILL

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