

John M. Choi

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## OBJECTIVE

To acquire a professional full-time position in the software engineering industry that will influence my interests and increase experience in computer science and software engineering.

## EDUCATION

**The Ohio State University** College of Engineering, Columbus, Ohio

May 2022

Bachelor of Science in Computer Science and Engineering

GPA 3.053 / 4.00

Specialization: Software Engineering

## SKILLS

Programming Languages/Skills: Swift, Python, Java, C, C++, C#, Software Design, Software QA, and Agile

Tools/Environment: Xcode, XCTest, Firebase, CocoaPods, VSCode, Git, Jenkins, GCC, Vim

## EXPERIENCE

**CSE Teaching Assistant, Ohio State College of Engineering**

August 2021 – Present

- TA/Grader for CSE1223, Intro to Computer Programming in Java

**Software Engineering Intern, Apple Inc.**

May 2021 – August 2021

- SWE intern in Internet Technologies Team as a position of Comm Application Automation intern.
- Assisted the Internet Technologies 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).

**Research Software Engineer, NASA THP 2017 Project**

October 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, SAS Software Inc.**

May 2020 – August 2020

- Responsible for Data and Analytics Visualization on the iOS platform.
- Assisted the iOS software engineering team with the development and production of the SAS Visual Analytics App. This includes 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 Development Intern, Lenovo United States**

May 2019 – January 2020

- Responsible for developing software solution that automates a significant number of repetitive tasks performed by the employees
  - Used Java with JavaFX framework and used multithreading to perform multiple GET REST requests simultaneously

## PROJECT

**GeoPic iOS**

January 2021 – May 2021

- Built with Swift, UIKit, and Firebase. A scavenger type app that encourages users to physically go around the map and view the pictures taken by other users only if the user is within 100m of the photo. This was a semester long team project with two other developers.
- <https://cse5236-geopic.github.io/GeoPic-iOS/>