**John M. Choi**

**choi.1655@osu.edu | (919) 441-2881 | https://www.linkedin.com/in/johnchoi96/**

**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 05/09/2022*

*Bachelor of Science in Computer Science and Engineering, Software Engineering Track; GPA 3.042/4.00*

**SKILLS**

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

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

**EXPERIENCE**

***CSE Teaching Assistant, Ohio State College of Engineering, 5 hours/week*** *08/27/2021*

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

***Software Engineering Intern, Apple Inc., 40 hours/week*** *05/17/2021 – 08/13/2021*

* 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, 20 hours/week***  *10/01/2018 – 05/16/2021*

* 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., 40 hours/week*** *05/19/2020 – 08/07/2020*

* 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 the area of Analytics, Data Visualization and

Mobile Computing.

***Software Development Intern, Lenovo United States, 40 hours/week*** *05/13/2019 – 01/27/2020*

* 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*** *01/10/2021 – 05/01/2021*

* 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/>