

OBJECTIVE

To acquire an internship in the software engineering industry that will influence my interests and increase experience in computer science and engineering.

EDUCATION

The Ohio State University College of Engineering, Columbus, Ohio

Bachelor of Science in Computer Science and Engineering

- Software Engineering Track

Grade Point Average: 3.211 / 4.0

Expected to graduate in December 2021

SKILLS

Programming Languages/Skills: Java with JavaFX Framework, C, C++, Swift, Python, Data Structures, Algorithms, Software Design Patterns

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

EXPERIENCE

Research Software Engineer for NASA THP 2017 Project

October 2018 - Present

- Undergraduate assistant under the supervision of Dr. DK Kang sponsored by NASA THP 2017 project titled "SWE Retrieval Performance Using Active and Passive Microwave Observations"
- Duties include programming and maintaining applications mainly written in C, C++ and shell scripts with MAKE.
- 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.
- Will assist the iOS software engineering team with the development and production of the SAS Visual Analytics App. This will include writing automation tools and code for testing the app, diagnosis of bugs found and developing fixes in the code. The internship will also involve prototyping and developing solutions on the mobile platform for a research topic in the area of Analytics, Data Visualization and Mobile Computing.

Software Developer 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 for backend, JavaFX GUI framework for GUI development
 - Used multithreading to significantly improve the overall runtime of the software
 - Used RESTful APIs to receive data from the web services.

PERSONAL PROJECT

Employee Manager

July 2018

- Built with Java and JavaFX Framework
- Application designed to store employee data, NC tax rate, etc. Calculates each employee's paycheck based on the pay rate, hours worked, and tax.
- johnchoi96.github.io/downloads.html
- May 2020 - iOS version: johnchoi96.github.io/EmployeeManager-iOS/