Luke Deratzou

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EDUCATION

Worcester Polytechnic Institute (WPI), Worcester, MA
Bachelor and Masters of Science in Computer Science   May 2023
GPA 3.97/4.0, Dean's List
Classes: Software Engineering, Algorithms, Object-Oriented Analysis and Design, OS, AI, Compilers

WORK EXPERIENCE

Software Engineer Intern– Arista Networks   May 2022-August 2022
- Worked on layer 3 technologies, adding production features to switches using C++
- Wrote python tests to validate the features and utilized pdb to debug failures
- Followed a CI/CD pipeline while collaborating on a team and utilizing version control

Software Engineer Intern– HCL   February 2022-May 2022
- Learned Alteryx to solve data science problems and tasks and partook in daily scrum
- Completed a capstone project predicting and analyzing spend trends for car prices using Alteryx

Software Engineer Intern- HPR   June 2021-August 2021
- Coded in C to develop tests and test infrastructure for company production code
- Worked in linux environments with terminal commands to run and debug code
- Collaborated with co-workers to test their developing code, utilizing good git etiquette.

SKILLS

Programming Languages: Java, Python, C#, JavaScript, C, C++, PHP, Swift, Lisp, Bash
Software: Visual Studio, Unity, XCode, cPanel, IntelliJ, VirtualBox, Excel, R Studio, Eclipse, Vim
Other: ExpressJS, Bootstrap, JavaFX, MongoDB, NodeJS, GitHub/git, React, AWS, NextJS, Docker

PROJECTS

Machine Learning for Spend Procurement, WPI   October 2021-December 2021
- Contributed to machine learning project for financial institution on spend procurement
- Utilized technologies such as python, sklearn, AWS, snowflake, control-M, and winSCP
- Worked under agile scrum with daily meetings with team and company employees

AR/VR Research Project, WPI   January 2021-May 2021
- Developed an AR application for 1-on-1 online therapy and to collect telemetric data
- Utilized tools such as GitLab, Unity, and Visual Studio to research and develop the app
- Collaborated with a team of two other students and professors, with weekly meetings

Portable Physicist, Perkiomen School   January 2018-May 2019
- Developed an iOS application using Swift to assist students in physics courses
- Collaborated with over 20 students and faculty to debug the program and develop ideas
- Presented the application as my capstone project to the board of trustees

ACTIVITIES

- WPI Magic Club, President   February 2021-Present
- Upsilon Pi Epsilon, Member   December 2020-Present