

Luke Deratzou

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100 Institute Road
Worcester, MA 01609

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

Notable Classes: Software Engineering, Algorithms, Object-Oriented Analysis and Design, WebWare, OS

WORK EXPERIENCE

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.

Online Private Instructor—iD Tech Camps

June 2020-June 2021

- Tutored students online on computer science fundamentals and programming languages
- Taught Python, Unity, Java, and JavaScript to kids of varying ages in one-hour lessons

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, WebSocket, AWS, NextJS

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
- Wrote a research paper with a peer, detailing the work accomplished during the research period

Webware Final Project: One Word Story, WPI

October 2020

- Worked in a team of four to make a full stack web application from scratch
- Used git, Express JS, Node JS, React, and WebSocket to develop the application

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
- Upsilon Pi Epsilon, Member

February 2021-Present
December 2020-Present