
EDUCATION

CARNEGIE MELLON UNIVERSITY – Pittsburgh, PA

May 2021

- **Major:** Electrical and Computer Engineering – *Bachelor of Science* Overall GPA: 3.43
- **Teaching Assistant:** Physics I
- **Relevant Coursework:** Distributed Systems, Parallel and Sequential Data Structures and Algorithms, Introduction to Computer Security, Embedded Systems, Web Applications

WORK EXPERIENCE

Microsoft – Cambridge, MA
Software Engineering Intern

Summer 2020

- Incoming intern

IBM – Durham, NC

Summer 2019

DevOps Intern

- Developed localization pipeline for Zowe and Z Open Editor VS Code extension. This included writing scripts using Gulp and JavaScript to automate process of string externalization and updating the translation platform
- Enabled 1000+ users to use Zowe VS Code extension in their native languages

General Electric – Cincinnati, OH

Summer 2018

Engineering Intern

- Developed software tool in C# to compare and visualize build data, which eliminated build path errors as well as decreased debugging time for build related errors by an estimated 50%. The CLI version of the tool was added into the integration test suite. Decreased debugging time due to both automating identification of build path differences and creating visualizations to quickly determine issues with the path generation algorithm
- Designed and constructed data acquisition tools to collect thermal and visual data. Collaborated with suppliers to maintain design specifications and pitched laser safety system to a board of senior engineers

PROJECTS

Intern Onboarding Website for IBM Human Resources Department

- Developed an intern onboarding website using React and Node.js, with a Flask backend connected to a Db2 database
- Deployed website onto the IBM cloud

WorkFlow Organization App

- Created a multi-featured desktop organization app consisting of a notebook, sketchbook, calendar, and newsfeed
- Developed in Python using Tkinter and NewsFeed API

Professor Doppelganger Finder

- Developed a website that used Microsoft Azure cognitive services Face API and web scrapping to find the CMU professor that looked the most like the user

GunAR

- Built an app and companion prop gun with raspberry pi inside for an on-the-go version of laser tag
- Used Apple ARKit3 to develop a single player target practice mode

ADDITIONAL INFORMATION

- **Proficient Languages:** Python, C, C++, Java, HTML, JavaScript
 - **Familiar Frameworks/Languages:** Django, React, TypeScript, Docker, C#, jQuery, SQL
 - **Skills:** Parallel Computing, Computer Systems, OOP, Agile
 - **Awards:** National Merit Scholarship Finalist – 2017, Dean's List – Fall 2017
 - **Certifications:** IBM Agile Practitioner Badge, IBM Design Thinking Badge
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