

EDUCATION

B.S in Computer Science — University of Pittsburgh

September 2015 - December 2019

Pittsburgh, Pennsylvania

Minor in Chemistry

Cumulative GPA: 3.504

Computer Science GPA: 3.71

MCAT Exam

August 2019

Score: 514 (90th percentile)

EXPERIENCE

Junior Software Developer at D'Angelo Technologies — Zelienople, PA

February 2021 – Ongoing

- ❖ Sole project maintainer/developer for software built on ship simulator for a government client
- ❖ Managed tasks using a Kanban board, work efforts using the scrum framework, and bitbucket with git for project coordination/maintenance
- ❖ Evaluated various solutions for speech to text (STT) and text to speech (TTS) functionality, then implemented solutions for both into project
- ❖ Trained a neural regression network to aid in autopiloting ships in a ship simulator

Research Assistant in Robin E. C. Lee's Lab — Pittsburgh, PA

May 2019 - August 2019

- ❖ Sole software developer for one of the lab's ongoing projects
- ❖ Participated in hardware development, working with a microcontroller and configuring a circuit board to control a microfluidic chip
- ❖ Worked in a wet lab environment

EXPERIENCE (Volunteer)

Software Development for patient onboarding app project (15 hours)

- ❖ Contributing to a project whose goal is to make an app that clinics can use to quickly get medical and family history as well as general patient information when a patient checks into a clinic
- ❖ The plan is to release the app for free to physicians that are running microclinics, small clinics staffed by themselves and maybe one or two more employees, to make it easier to manage their clinic
- ❖ App is written in TypeScript and uses the React JS library

PROGRAMMING LANGUAGE COMPETENCY

- ❖ Python
- ❖ C#
- ❖ JavaScript/TypeScript
- ❖ C++
- ❖ C
- ❖ Swift
- ❖ HTML/CSS
- ❖ Java

SPOKEN LANGUAGES

- ❖ English (Native)
- ❖ Arabic (Conversational)

PERSONAL PROJECTS

What Song Is That? Twitter Bot - Started 2020/Ongoing

- ❖ I decided to write and host a twitter bot for fun on my own raspberry pi server for a friend's twitter account. The bot has over 100,000 followers now
- ❖ The success of that bot led me to make my own more sophisticated bot called What Song Is That?
- ❖ It takes requests from users who wish to know what song is playing in a tweet, queries Shazam's API on their behalf and displays its findings on a website I created for it
- ❖ Checkout whatsong.page for more information

3D Interactive Portfolio - Started 2021/Ongoing

- ❖ I am creating a portfolio using three.js that shows my personal technological efforts and projects in different worlds belonging to a celestial system in a miniature universe
- ❖ View it on my website: alanmunirji.dev