Miles Acquaviva

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Profile

I am a self-motivated, multi-talented, creative student looking for part time work. With my technical expertise, musical creativity and innovative problem-solving skills, I am a unique asset that can breathe new life into your team. Because of my wide range of experiences, I can provide a new way of thinking for every problem I face.

Technical Knowledge

OSes: Windows (NT, XP-11), macOS (System 7-12), Linux (Ubuntu, Arch, Debian, Raspbian, Android)
Languages/technologies: C, TCP/IP, Docker, SQL, Python, Java, Swift, Bootstrap, x86 IA-32

Experience

Freelance IT Specialist – 2018–Present
I've worked with individuals, offices and government authorized agencies to set up hardware and deploy software on multiple different platforms, such as the desktop and server versions of Windows, macOS and Linux. In addition, I have written software for unique use cases, including a program that increases employee productivity at Walt Disney Company and a tax management backup system for the New Jersey League of Municipalities.

Social Media Manager, *Cheers Queers*, Philadelphia, PA – 2021-2021
I developed marketing content such as emails and promotional materials for social media, in addition to collaborating with multiple artists to create a website that is both visually appealing and functional.

Web Presence Manager, *The Music Box,* Hamilton, NJ – 2019-2020
I built and managed the website for the store, in addition to maintaining an online marketplace via eBay and Reverb, where I managed sales, kept track of inventory and communicated with customers.

Education

Berklee College of Music – Incomplete, 2019-2020 - 3.9/4.0 GPA
At Berklee, I received a World Tour scholarship in addition to making the Dean's List each semester and holding leadership positions in Berklee Esports and the G/M Jam.

Rutgers University – Bachelor's in Computer Science and Music Education, 2020-2024 - 3.6/4.0 GPA
At Rutgers, I am pursuing a double major in Music Education and Computer Science where I am making the Dean's List each semester and keeping my position as first violin in the Sinfonia orchestra.

Projects

MCOC Database Creator - Python, Google Tesseract, OpenCV, SQL, Visual Studio Code
This program uses OCR and optical image recognition to write SQL code to create a database of characters from the game.

Exploria - Swift, SwiftUI, Xcode
This is an iOS app that learns from the user's preferences to generate a list of tourist spots in any given location, based on the user's previous preferences. A researcher at the MIT Media Lab uses this project as an example for his students.

Game and Music Jam Website - HTML, CSS, JavaScript, Bootstrap, Visual Studio Code
This website is home to the Game/Music Jam, an annual event created in collaboration with Square Enix, Berklee College of Music and Nexim.

Cache Simulator - C, CLion
This program simulates an L1 cache, with and without prefetching. The program can simulate a cache with different replacement policies, associativities, and block sizes

Skills/Honors

Violin, piano, foreign language studies, musical arrangements, National Honor Society