

MICAH JABBOUR

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PROFESSIONAL EXPERIENCE

P.W. Campbell

Pittsburgh, PA

Software Development Intern

Summers 2023 - 2025

- Tested and validated a **major software version upgrade** for digital signage software to ensure seamless compatibility and prevent failures in production
- Contributed to **user-facing documentation** to train new clients and improve on-boarding time
- Developed **15 financial calculators** for touchscreen bank kiosks using React and Material UI
- Developed a software testing framework that expanded testing capabilities from **25 to 3,000** client devices, stress-testing system stability and discovering new bottlenecks before production

Church of the Ascension

Pittsburgh, PA

Video Broadcast Volunteer; Part-Time Sound Technician

2021 - Present; 2025 - Present

- Live-streamed worship services and church events using OBS, **providing access** for remote congregants
- Installed Elgato Stream Deck with Bitfocus Companion for camera and ATEM control, **simplifying operations** for volunteer technicians
- Implemented a networked live video feed from the sanctuary to the cry room, **improving accessibility** for families with young children

SixK Solutions

Pittsburgh, PA

3D Modeling & Media Designer

07/2021 - 01/2023

- Designed 3D models of company designs for pre-production promotional use
- Created promotional photorealistic renderings using Blender
- Implemented a Blender workflow for generating line drawings for patent applications
- Edited promotional videos

EDUCATION

University of Pittsburgh

Pittsburgh, PA

BS, Computer Engineering

Expected Graduation 2029

Trinity Christian School

Pittsburgh, PA

High School

08/2021 - 06/2025

- Co-founded TCS Live, a club responsible for live streaming school events **multiple times per week** to reach hundreds of viewers and to increase event accessibility
- Converted auditorium lighting control system to use **computer-controlled DMX** enabling programmatic show design and modern equipment integration.
- Oversaw technical operations for **seven** theatrical productions.
- Designed and implemented electromechanical props and special effects (e.g., automated rose petal drops, robotic arm, stage lighting effects), enhancing production quality and audience experience.
- Served as Leadership Council Vice-President, overseeing fundraisers and student event planning.

TECHNICAL SKILLS

Software Development: Python, TypeScript, React, Node.JS, Java, HTML/CSS

Audio Visual: DMX Lighting, Live Sound, Live Video, QLab, OBS, Q-Sys Designer

Other: Blender, KiCad, OnShape, Davinci Resolve