

## QSYS CERTIFIED SOFTWARE ENGINEER WHO LOVES MACHINE LEARNING

I like test-driven code, design patterns, and shipping finished products. I'm teachable, comfortable with Agile, and focus on Javascript's MERN stack (MongoDB, Express, React, Node) and Python.

### PROJECTS

**Phlask** - 03/2020

[www.app1.waltrib.com](http://www.app1.waltrib.com)

- Phlask is a crowdsourced map that locates all the water fountains in Philadelphia
- Used **React**, **SQL**, and **Google's RestAPI** to build the address bar for mobile
- Problem I solved: found **NPM** install bug in **Docker**, tested new setup using **Yarn**



**JS Piano** - 01/2020

[www.app2.waltrib.com](http://www.app2.waltrib.com)

- Created a **Chrome Extension** using **React** and **Python** that determines if a site could play a video. If so, my extension disables it from loading in the browser.
- Problem I solved: native solution to prolong battery life for laptops



**Automator script** - 01/2020

[www.app3.waltrib.com](http://www.app3.waltrib.com)

- Wrote **BASH** script to organize 100,000 library files on operating system
- Increased **Selenium** operations by 10% which allowed app to scale for mobile
- Problem I solved: reduced runtime from 1.5 hours to 3 minutes



### EMPLOYMENT

**Professor, Camden County College** - Blackwood, NJ 05/2017-Present

- Designed courses "MIDI / DAW Engineer", "Fundamentals of Acoustics", and "AV Business"
- Generated 17% increase in event bookings by creating an AutoCAD drawing of theatre's devices

**AV / IT System Integrator, Total Video Products** - Mickleton, NJ 05/2019-12/2019

- Terminate RJ45, XLR, RS232 cables according to CAD functional drawings
- OSHA-certified aerial lift operator; integrate Crestron, QSYS, PTZ, racks, and IP devices

**Broadcast Engineer, Youtube Space LA** - Los Angeles, CA 06/2015-07/2016

- Audio engineer (using Audinate Dante) for the World 50 Expo, keynoted by Mark Wahlberg
- Operate our 3D motion-tracked cameras and software; edit post-production for client deliverables

**Digital Production Strategist, Graywave** - New York, NY 06/2007-07/2019

- Co-develop PHP web app used by over 50,000 music bands for 24% increase in traffic
- Audio engineer for This American Life, Serial, and other top podcasts for Podtrac

### EDUCATION

<b>University of Penn</b>	Full Stack Developer	<b>2020</b>
<b>University of the Arts</b>	Music Composition	<b>2006</b>

### HOBBIES

**ForOrchestra.com** - Orchestra conductor that generated 50,000 Youtube subscribers, 100 million views, and featured in Wall Street Journal

### CERTIFICATIONS & AWARDS

Biamp Server I/O, QSYS Control, Audinate Dante, CompTIA A+, ClearOne Converge, OSHA scissor lift operator, Tri-County Symphony Scholarship, Promising Artist Scholarship, Alfred Hernando Scholarship