

EDUCATION**Columbia College Chicago (B.Sc. in Music Technology)**

May 2018

Interdisciplinary degree in Computer Science, Audio, and Music

Related Coursework

- Independent Project – iOS Development
- Computer Networks and Networking for Media

TECHNICAL EXPERIENCE**Freelance iOS/Backend Developer**

2017 – Present

- Developed open-source Swift packages (Swift Package Manager) for general iOS/macOS use
- Integrated with Open Broadcaster Software (OBS), WebSocket, SwiftUI, DocC, and more
- Developed multiple apps (iOS/backend) for nonprofit + grant-funded projects
 - **Tzedek Box (2019 – 2020), Rentful (2023-2024)**
 - Worked directly with projects' creators to develop purpose, objectives, general visual layout for apps
 - Apps' frontend built in Xcode with Swift; UIKit + SwiftUI + third-party frameworks
 - Apps' backend built using Firebase: Authentication for user capabilities; Firestore + Airtable as the database, Cloud Functions for automated background functions (Node.js + TypeScript)
 - Currently on iOS App Store

Freelance Video/Audio Editor

Mar 2020 – Present

- Coordinate logistics for full process of recording, submission, and production of videos
- Produced videos (and accompanying audio) from top to bottom with Final Cut Pro/Logic Pro
- Worked for significant number of organizations

Airtable/Small Business Organization

Aug 2017 – Present

- Tracked customers, projects, time worked, payments using Airtable as central database
- Automated data transference between Airtable and Timing, as well as all other services, using Zapier (basic connections) and Firebase Cloud Functions (more in-depth connections)
- Created custom Airtable Scripts for cleaning up base data, populating base data via external API, and more

RA Box

Feb – May 2018

- Used Raspberry Pi circuitry and Python programming to create universal remote control
- iOS app developed in Swift that communicates with the Raspberry Pi via MQTT server

SOFT SKILLS

- General tech savvy
- Manage project's lifecycle start to finish; design, draft, test, debug, validate, move to production (*Tzedek Box, Rentful, RA Box, YaYa, SwiftDex, Small Business Consulting*)
- All-around problem solver — analyze situation, break into parts, troubleshoot each element (*Open-Source Swift Packages, Freelance Video/Audio Editor, Tzedek Box, Rentful, RA Box, Small Business Consulting*)
- Take an idea or business requirement, convert to a technical plan, create a custom solution (*Open-Source Swift Packages, Small Business Consulting*)
- Build a rapport in one-on-one interactions with customers or clients in a customer service setting (*Freelance Video/Audio Editor, UNTUCKit, Small Business Consulting*)
- Supervise staff (*Westchester Reform Temple, Camp Ramah*)
- Create and teach technical curriculum (*Camp Ramah*)

TECHNICAL SKILLS

- | | | |
|-----------------------------|----------------------------------|------------------------|
| ▸ Swift (UIKit + SwiftUI) | ▸ Firebase Suite | ▸ Logic Pro |
| ▸ Node.js (JS + TypeScript) | ▸ Airtable (relational database) | ▸ iZotope RX Suite |
| ▸ HTTP/GraphQL APIs | ▸ Microsoft Office Suite | ▸ Dante Audio Protocol |
| ▸ HTML/CSS | ▸ Apple Works Suite | ▸ Final Cut Pro |
| ▸ WebSocket | | ▸ OBS Studio |

PROFESSIONAL EXPERIENCE

Westchester Reform Temple – Audio/Visual Production Manager

Jan 2022 – June 2023

The Greene Space at WNYC – Live Sound Engineer

Nov 2019 – May 2023

UNTUCKit – Sales Associate

Aug 2019 – April 2020

Nov 2017 – May 2018

Camp Ramah in Wisconsin – Head of Music Productions and Tech
Head of Music

2019

2014 – 2018