

## Work Experience

**Quality Assurance Technician**  
*Tec Systms Engineering | Queens, NY*

Dec 2024 - Present

Panel testing and wiring of control devices from Honeywell to ensure accurate implementation of design sequences, engineering diagrams and BACnet networks through Comfort Point Open Studio/Online. Inspected HVAC equipment and controls for necessary maintenance or corrections for improved operations efficiency

**Software Engineer**  
*Drizly | Bostn, MA*

Jun 2022 - Jun 2023

Developed microservices to integrate software for approximately 200 AWS resources into Spotify's Backstage UI and automate system reports. Project increased accessibility to 4 dev teams. with Infrastructure, Cloud Services, DevOps teams to configure Kubernetes containers, API and security requirements

## Projects

**Audio Project**

Dec 2021 - Dec 2021

For this project, the goal was to observe different approaches of using onset detection, both spectral and energy based. The idea was to test varying properties in audio files, while preserving the original music as much as possible.

**Discord Bot**

Present

Chat bot with functions to manage movie nights in a server. Organize users, recommended movies, search for movies using Google API queries and Google Firebase to plan future dates to have a movie night.

**Spotify API Web App**

Jan 2025 - Present

Implemented Spotify API to access user's library for easy to access URLs for playlist sharing. App also generates artist recommendations based on similar genres and songs using user's top artists and songs they are featured on.

## Core Skills

Python(Jupyter Notebook, Pandas, Librosa, Sci/NumPy), Fullstack JavaScript, AWS/Google Cloud Platform, RStudio Data Analytics, MongoDB/SQL Databases, PowerBI visualization, IT Network Support

## Education

**John Hopkins, Software Development in R**

Jan 2025 - Present

Online Data Analytics

Relevant Coursework: Regression Models, Advanced R Programming, Exploratory Data Analysis

**Boston University**

Sep 2019 - May 2023

Bachelor's Computer Science

Relevant Coursework: Audio processing, Theory of Computation, Databases, Algorithms