

# Quinn Cecil

## Software Engineer

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I offer strong software development skills, with a data science education, and the unique value of a diverse technical background, pivoting from audio engineering.

## Education

### DATA ANALYTICS CERTIFICATE

Johnson County Community College

AUTUMN 2023 - SPRING 2025

GPA: 4.0

## Projects

### BIRDCALL CLASSIFICATION

Johnson County Community College - DS270

AUTUMN 2024

- Developed a bird call classification neural network in Python, achieving **95% accuracy** for species classification.
- Applied software knowledge, including Scikit-Learn, NumPy, Pandas, and CUDA.
- Explored mathematics in Digital Signal Processing and Fourier Transforms.

### VOLCANO GEODATA VISUALIZATION

Johnson County Community College - DS280

SPRING 2024

- Designed and constructed end-to-end data ingestion to web visualization of global volcano dataset using Microsoft Azure Cloud Platform.
- Orchestrated data flow of JSON from Blob Storage to Cosmos DB using Power Automate.
- Produced final web frontend visualization in Power BI.

## Skills

### LANGUAGES

HTML/CSS, JavaScript, Swift, TypeScript, Python, SQL, Shell, Go, Java, Haskell,...

### TOPICS

Data Science, Web Development, Software Architecture, REST, Machine Learning, Cloud Platforms, Microsoft Azure, Google Cloud Platform...

### TOOLS AND FRAMEWORKS

Tableau, Power BI, jQuery, VueJS, Angular, Less, Git, MongoDB, NumPy/SciPy, Pandas, PyTorch, CUDA, Linux, Windows, MacOS,...

## Experience

### SOFTWARE ENGINEER

Outpost Worldwide, Kansas City

OCTOBER 2022 - PRESENT

- Team software developer at a video production company, responsible for the development and maintenance of system automation tools.
- Developed and deployed full-stack software to Google Cloud Platform and internal systems.
- Employed TypeScript, Google Apps Script (Clasp), Google Cloud Platform, and Git for version control.
- Collaborated with team members to gather requirements for automating frequent company tasks, significantly improving workflow efficiency and team productivity.

### WEB DEVELOPER

Outpost Worldwide, Kansas City

MAY 2022 - PRESENT

- Led the complete overhaul and ongoing maintenance of **outpostworldwide.com** and affiliated websites, alongside developing custom websites for company clients.
- Exercised full technical ownership, from client consultation and design through development and deployment, for both internal and client projects.
- Employed HTML/CSS, JavaScript, jQuery, and WordPress; implemented strategic SEO practices.
- Increased visibility of **outpostworldwide.com** by **over 400%** through targeted SEO implementation.

### DATABASE ADMINISTRATOR

Outpost Worldwide, Kansas City

OCTOBER 2019 - PRESENT

- Directed the technical modernization of the company videotape database, including provider selection, schema design, and data migration.
- Provided continued upkeep of the database, handling data cleaning, entry automation, updates, and retrieval.
- Achieved a robust and efficient solution, using Zoho Creator, JavaScript, Google Cloud Platform, and Python.
- Reduced annual upkeep costs by **over 80%**.

### AUDIO ENGINEER

Outpost Worldwide, Kansas City

MAY 2018 - PRESENT

- Served as Lead Audio Technician, with responsibility for all audio production for productions.
- Oversaw all aspects of audio engineering, from initial recording to final mix, for diverse projects.
- Worked with clients to ensure their needs were met.
- Led teams of audio engineers on large-scale productions, including the PBS television show Make48.