

# Edward Huffstetler

[Github Profile](#) [LinkedIn Profile](#) [Personal Site](#) eghuffstetler@gmail.com

**SKILLS** JavaScript, React, Redux, Node.js, HTML5, CSS3, SQL, Git, Python, Flask, Express, Sequelize, SQLAlchemy, PostgreSQL, SQLite, Websockets (Socket.io), AWS S3, Firebase, React Native, Expo Dev Tools, Figma

## EXPERIENCE

### Poppin LLC

*Full Stack Software Engineer - Contractor*

**Salt Lake City, UT**

Nov 2023 – Present

- Gathered customer feedback pre-development by designing high-fidelity wireframes and user flows with Figma to minimize development cycles, reduce costly rebuilds, and address user requirements and potential issues upfront
- Selected Firebase for database, authentication, analytics, and storage, achieving key benefits:
  - Reduced complexity by exclusively utilizing Firebase
  - Enabled real-time updates with Cloud Firestore's WebSockets and onSnapshot() method
  - Reduced loading time with integration of local cache and Cloud Firestore's real-time listeners
  - Facilitated quick iterations and flexible data management using Cloud Firestore's JSON-like documents
- Implementing Natural Language Processing for enhanced search results by connecting Cloud Firestore with Algolia Neural Search and utilizing algoliasearch and react-instantsearch-core packages to enable typo-tolerant search queries that accurately interpret context and intent
- Designed and implemented a feature-driven architecture in React Native utilizing compartmentalization and isolation to enable rapid development, testing, and iteration of new features while ensuring system stability

### Snip Audio Corp.

*Co-Founder*

**Raleigh, NC**

August 2023 – Nov 2023

- Utilized iOS local storage by caching images as async disk images with react-native-fast-image and by storing queue data as local async key-value pairs with react-native-async-storage which lead a ~85% reduction in bandwidth usage measured by Firebase usage reports
- Improved UI/UX design decisions with quantitative data by tracking user screenviews and clip selection with custom events in Firebase Analytics which lead to a 31% increase in average engagement time per session
- Automated splitting podcasts into short clips with voice intros with a Node.js + Express server that used FFmpeg to split audio files and Google Cloud text-to-speech API to add voice intros for each clip which increased the number of available podcasts channels from 15 to 50+
- Implemented Lean Startup Methodology, utilizing 2-week development cycles, user interviews, and MVPs, which quickly revealed insights into the limited viability of subscription models due to competitors' loss-leading strategies, resulting in the prudent return of investor funds

### Dilweg (Private Equity Real Estate)

*Analyst - Research and Capital Markets*

**Raleigh, NC**

April 2022 – January 2023

- Provided actionable reports to the investment committee by synthesizing macro economic trends with local real estate data to reduce investment risk
- Created easy to understand marketing materials by providing simple explanations of complex economic and real estate data to the marketing team which improved engagement with non-professional investors

## PROJECTS

### Concord - Discord Clone/App Academy Full Stack Group Project

- Created real-time chat rooms with WebSockets utilizing the Socket.io package by connecting multiple client applications to rooms to allow for event-based communication which minimized data usage by avoiding continuous fetch requests
- Simulated standard enterprise workflows with stand up meetings, pair programming, Git feature branching, and creating API documentation which improved technical communication and collaboration skills

### SoundSpot - Loosely Based Spotify Clone/App Academy Full Stack Solo Project

- Implemented uploading and streaming of songs utilizing AWS S3, Boto3, and Python's UUID module for server-side uploading to ensure only validated users can upload, unique file naming, and reliable streaming

- Implemented server-side cybersecurity on a Python/Flask server by utilizing Flask-Login's `@login_required` decorator for secure routes and by utilizing SQLAlchemy to ensure only validated users have access to data and to automatically escape user input to protect against SQL injections

## EDUCATION

### **App Academy**

*Curriculum of Study in Web Development (Python and JavaScript)*

**Online**

February 2023 – August 2023

### **North Carolina State University**

*Bachelor of Arts in Economics*

**Raleigh, NC**

Class of 2022

- Graduated with a 4.0 GPA, #1 Class Rank, and Phi Beta Kappa
- Minor: Philosophy