

# James LOPEZ

## Fullstack Developer

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## TECHNICAL SKILLS

Technologies	React, Javascript, Typescript, NodeJs, HTML, CSS/SCSS, GraphQL, Express, PostgreSQL
Databases	Sqlite3, PostgreSQL
Development Tools	Git, Docker
Design Tools	Affinity Designer, Affinity Photo, Adobe XD
Operating Systems	Mac OS X, Windows, Linux

## WORK EXPERIENCE

### 2020-2021 Application Developer, Evenica, BURLINGTON-ONTARIO

- Worked full-stack on three different web applications
- Developed GUI features utilizing Typescript React
- Built API's with GraphQL and integrated changes to the front-end with Apollo Client
- Worked cooperatively with internal and client developers to meet use case scenarios
- Lead developer of a small enterprise web application

React Node Typescript GraphQL Problem Solving Building Relations Teamwork Skills Efficient Coding Practice

## EDUCATION

### 2015-2019 Bachelor's of Computer Science, UNIVERSITY OF WINDSOR Windsor Ontario

- Studied fundamentals of data structures and algorithms
- Object-Oriented programming using Java and C++
- Website development using Javascript and HTML
- Mobile App Development using Android Studio

## LATEST PROJECTS

### CHORD-FINDER

2020

[jamestlopez.github.io/chord-finder](https://jamestlopez.github.io/chord-finder) [github.com/JamesTLopez/chord-finder](https://github.com/JamesTLopez/chord-finder)

Chord finder uses music theory from the Tonaljs library to identify the classification of three or more notes played on a virtual piano keyboard. User plays the virtual piano using their keyboard with the assigned notes displayed on the site.

React(Redux for state management) Javascript Visual Studio Code HTML CSS Tonaljs

### EASY-GIT

2020

[jamestlopez.github.io/easy-git](https://jamestlopez.github.io/easy-git) [github.com/JamesTLopez/easy-git](https://github.com/JamesTLopez/easy-git)

A simple react typescript app that uses GitHub's API to display user's information with easy visibility.

Typescript Javascript React(Context API state management) HTML CSS/SCSS Github API Visual Studio Code

### AUDIO-VISUALIZER

2020

[github.com/JamesTLopez/audio-visualizer](https://github.com/JamesTLopez/audio-visualizer)

An application that visualizes the frequencies emitted of a song. Uses P5 FFT algorithm to analyze bands of frequencies from a song and uses the specific frequency to create movement through the animation. Visualized using the P5 javascript library. Audio analysed through P5.sound which extends Web Audio.

Typescript React HTML CSS/SCSS P5 Visual Studio Code

### ONLINE-WHITEBOARD

2020

[github.com/JamesTLopez/Online-Whiteboard](https://github.com/JamesTLopez/Online-Whiteboard)

A classroom simulator that allows users to join a room and message each other in a chat system. The chat room also includes a whiteboard that users can simultaneously draw.

Typescript Javascript React(Context API state management) HTML CSS/SCSS Github API Visual Studio Code

### CONCURRENT FILE EDITING

2019

[github.com/JamesTLopez/Concurrent-File-Editing](https://github.com/JamesTLopez/Concurrent-File-Editing)

Final graduation project which utilizes operational transformation to recreate a Google Docs style application. Users are able to simultaneously edit a document and is constantly saved to the backend database. Uses MongoDB as the database and uses sharejs to implement operational transformation on the create documents.

Javascript CSS HTML Bootstrap Express MongoDB Sharejs Node Visual Studio Code