

Lopez JAMES

Fullstack Developer

github.com/JamesTLopez [JamesLopezWebsitePortfolio](https://jameslopezwebsiteportfolio.com) @ james.theo.lopez@gmail.com
+519 819 0392 154 Oak Street, Windsor, Ontario

TECHNICAL SKILLS

Programming and Frameworks	Javascript, React, Typescript, HTML, CSS/SCSS, Node, Bootstrap
Database	MongoDB, PostgreSQL
Development Tools	Visual Studio Code, Eclipse, git
Design Tools	Affinity Designer, Affinity Photo, Adobe XD
Operating Systems	Mac OS X, Windows

LATEST PROJECTS

CHORD-FINDER

2020

jamestlopez.github.io/chord-finder 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 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

An app that visualizes the frequency's emitted from 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

An 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

Final graduation project which utilizes operational transformation to recreate a Google Docs style application. Users are able to simultaneously edit a document at the same time 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

EDUCATION

Bachelor's of Computer Science, UNIVERSITY OF WINDSOR, Windsor Ontario

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|----------------|--|
| September 2015 | > Studied fundamentals of data structures and algorithms |
| June 2019 | > Object-Oriented programming using Java and C++ |
| | > Website development using Javascript and HTML |
| | > Mobile App Development using Android Studio |

WORK EXPERIENCE

Waiter
2018-Current

St. Clair Center for the Arts, WINDSOR-ONTARIO,

- > Building and maintaining effective working relationships with colleagues and management
- > Caring and attending to customer needs to leave customers with a satisfactory experience
- > Identifying opportunities for increased efficiency and communicating them to management

Communication Skills Problem Solving Building Relations Teamwork Skills Efficiency
Leadership and Management Skills