

# Leo Bantolino

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## EDUCATION

### University of Guelph

*Bachelor of Computing, Computer Science (Co-op), CGPA: 88.6%*

Guelph, ON

*Sept. 2022 – April 2027*

## TECHNICAL SKILLS

**Languages:** Java, Javascript, C, SQL (Postgres), HTML/CSS

**Frameworks:** React.js, Node.js, Express.js, Discord.js

**Developer Tools:** Git, VS Code, Netbeans

**Libraries:** Redux.js, ffmpeg, ffmpeg-fluent

## PROJECTS

### Music Library | *React.js, Redux.js, Express.js, PostgreSQL, Node.js, Framer-motion*

March – June 2023

- Built a gallery of music players with redux managing state
- Developed unique strategies to display multiple audio players with one audio element
- Processed files on the server and managed folders for users using modules from node.js
- Used JWT for authentication and implemented refresh tokens
- Managed data with PostgreSQL for users and audio files
- Used RTK Query for data fetching

### Todo App | *React.js, Redux.js, Express.js, PostgreSQL, Node.js*

December 2022 – February 2023

- Developed a full-stack web application with React as the frontend and node.js as the backend
- Implemented jwt's for login authentication
- Used PostgreSQL for database
- Utilized RTK Query for data fetching

### Music Bot | *Discord.js, JavaScript, Node.js, FFmpeg, Express.js*

December 2022

- Built a discord bot that can play audio within a discord server
- Designed with discordjs/@voice library to manage audio resources and audio playing
- Utilized Express.js for the backend where it serves audio files to the bot
- Incorporated FFmpeg for audio processing on the server side

### Music to Video | *React.js, Express.js, Node.js, FFmpeg*

August 2022 - September 2022

- Incorporated a simple click to generate UI with React.js
- Employed Express.js for the back end which facilitated audio and video processing.
- Used FFmpeg for audio and video processing
- Applied libx264 codec to videos and aac audio codec to audio for optimal processing speeds

### Typewriter | *Javascript, HTML, CSS*

September 2022

- Built a game where user's can test their typing speeds
- Used quotable API to fetch paragraphs

## EXPERIENCE

### Animal Research (Volunteer)

August 2021 – October 2021

*Kanboo Global*

*Brampton, ON*

- Dedicated 13 hours on extensive research on the biology of animals
- Research helped to educate people about the needs of different animals
- Organized information using spreadsheets
- Explored ways to visualize GitHub collaboration in a classroom setting

### Freelance Musician

July 2020 – present

*Home Studio*

*Work from home*

- Managed client requests
- Collaborated on projects with multiple musicians
- Managed licensing and royalties
- Worked in a team with audio engineers and other musicians