

# MAX ZHANG

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👤 maxzhang.ca

🔗 [github.com/chetbae](https://github.com/chetbae)

## EDUCATION

### Computer Science + Music Performance

McGill University, 2018 - 2023

GPA: 3.78 /4.0

Algorithms and Data Structures,  
Applied Machine Learning,  
Programming Languages and Paradigms,  
Software Design,  
etc.

## SKILLS

### Languages

Java  
Python  
Javascript, Typescript  
HTML, CSS  
OCaml

### Technologies

React  
Node  
Heroku  
Git  
Firebase

## LEADERSHIP & ACHIEVEMENTS

- Project leader in hackathons- Hack The North, McHacks, CodeJam
- Musician in Vancouver and Montreal
- \$70,000+ scholarship offers from renowned university music programs
- BC Arts Council Scholarship
- TD Jazz Festival Dal Richards Scholarship
- 2x Lionel Hampton Jazz Festival Top Musician, Scholarship recipient

## PROJECTS

### 🔗 portfolio site

JAN 2021 (updated NOV 2022)

Architected and developed personal portfolio website from design to deployment using **Typescript**, **React Hooks**, styled-components, and **Heroku**. Crafted reusable components and containers to build multi-page site from the ground up.

Designed to display projects, accomplishments, and link relevant social media, demonstrating first-hand proficiency and experience in **frontend development**. Implemented improvements through continuous ideation and user feedback throughout development phase.

### 🔗 menu application

DEC 2020

Engineered a menu display application with **Java**, JavaFX. Adhered to good software design patterns such as the Observer, Decorator, and Flyweight patterns to produce clean code with low coupling.

Collaborated with a team to discuss design trade-offs, contribute using **Git**, and implement tests with **JUnit** framework.

### 🔗 zoom clone

APR 2020

Developed **full-stack** video-calling application using **Javascript** and **Node**. Frontend styled with pure **HTML/CSS** with backend script hosted on Heroku. Utilizing WebRTC, socket.io, and peer.js, allow site users to communicate with audio and/or video over the internet.

### focus tracker

NOV 2020 (CodeJam 2020 hackathon)

Created **React Native** application using **Google Cloud API** and React webcam API to track a user's focus. Frontend styled with Bootstrap. **Firebase** used for storing data.

## EXPERIENCE

### Orchestra Librarian

SEP 2019 - Present

McGill University, Montréal, QC

- Maintained the rehearsal space for productive meetings by swift set-ups and organizing music material
- Communicated with conductor and school library to work out an ideal schedule by means of continuous improvements throughout the school semester

### Teaching Assistant

JUL 2019

VSO School of Music, Vancouver, BC

- Aided teachers in teaching the VSO summer jazz workshop by executing clerical tasks efficiently
- Drawing on my musical expertise, helped convey music material to students clearly and played with workshop ensembles to cultivate a fun learning environment