

ERIC XIAO

✉ erixrekt69@gmail.com | 👤 mathlord2.github.io (website) | in linkedin.com/in/xiaoe5800/ | 🐙 github.com/mathlord2

ACADEMICS

Sir John A. Macdonald Secondary School

Expected Graduation: June 2021

EXPERIENCE

Mitra Biotechnologies

Waterloo, Ontario

Chief Technology Officer, Software Engineering

Aug 2020 - Present

- Led the development of the Mitra Biotechnologies website, which includes investor and SAB member registration links and portals to help investors and SAB members support the company (gained 10 advisors).
- Assigned tasks, mentored, set deadlines, and led meetings with software developers and reported to other company executives about progress.

Grand River Chinese School (Lesson Playlist)

Waterloo, Ontario

Olympic Math Teacher

Sep 2018 - Present

- Set-up and hosted the first ever online lessons for GRCS during quarantine (March 2020 - June 2020).
- Teaching a class of Grade 7 and 8 students various Olympiad Math topics for the 2020-2021 school year.
- Creating weekly lesson plans and homework problems for these topics and teaching topics online on Google Meets.
- Contributed Olympiad-level Math problems to and proctored the 2018 and 2019 Nine Chapters on the Mathematical Arts Contest.

MyMotive

Waterloo, Ontario

Chief Technology Officer

Jun 2020 - Oct 2020

- Led the development of an MVP mobile app that helps users with their social lives by creating private events - finished within 2 months.
- Delegated tasks and led meetings within our development team and communicated with the executives, investors, and business side of our team remotely about our progress.

PROJECTS

MyMotive Mobile App - React Native, Firebase, Javascript - MyMotive

- Led and developed a mobile app that helps users create private events, send event RSVPs to their friends, view event logistics, and order an Uber ride to the event venue.
- Used React Native and various React Native libraries for the mobile app frontend and backend and implemented Firebase for data storage and authentication.

CogniTalk - Svelte, Python, Flask, Firebase - MasseyHacks VI

- Created a web platform that analyzes user audio responses to various interview questions and maps their performances on a table to view areas of improvement.
- Implemented a Svelte frontend and the Firebase Authentication and Firestore APIs, and helped link these to the Flask backend server that runs an audio analysis library.

TECHNICAL SKILLS

- **Programming Languages:** Python, Javascript, HTML, CSS, Java, Octave
- **Frameworks:** React, Svelte, React Native, Processing, jQuery, PyTorch, Flask, Node.js
- **Technologies:** Firebase, Google Cloud

HONORS & AWARDS

- Won the Second Place Prize at MasseyHacks VI.
- Won WinHacks 2020's Most Innovative Hack Against COVID-19 Award.
- Made honour rolls (Group II) and earned Distinction Award (top 25%) for the 2020 CEMC Fermat Math Contest (score of 144/150).
- Made honour rolls for Southwestern Ontario in the 2019 Canadian Open Mathematics Challenge (score of 58/80).
- Won Fortmatic's 3rd Place API prize at ETHWaterloo 2019.
- Received second place at JAMHacks 3.
- Won third place in the 2019 ECOO-CS regionals competition, earning a spot to finals.
- Earned Distinction Award (top 25%) for the 2019 CEMC Euclid Math Contest (score of 76/100).