ERIC XIAO

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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).