ERIC XIAO

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ACADEMICS

Incoming Bachelor's in Computer Science at the University of Washington-Seattle	**Expected Graduation Date: 2025**
High School Diploma, Sir John A. Macdonald Secondary School	**Expected Graduation Date: June 2021**

- Activities: Tech Under Twenty Chapter Leader, Mathletes, CS Club, Highlander Aerospace Club, Music Council

TECHNICAL SKILLS

- **Programming Languages:** Python, Javascript, HTML, CSS, Java, Octave

- **Frameworks:** React, Svelte, React Native, Processing, jQuery, PyTorch, Flask, Node.js

- **Technologies:** Firebase, Figma, Google Cloud

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 in total.

- Assigning tasks, mentoring, setting deadlines, and leading meetings with software developers and communicating with other company executives about progress.

Grand River Chinese School   **Waterloo, Ontario**
Olympiad Math Teacher   *Sep 2018 - Present*

- Taught a class of Grade 7 and 8 students various Olympiad-level mathematics topics (e.g. combinatorics, analytic geometry).

- Contributed math problems to and proctored the 2018 and 2019 Nine Chapters on the Mathematical Arts Contest.

- Organized the school's first ever online lessons during the start of the COVID-19 pandemic (March 2020 to June 2020), and currently teaching a class of 15 Grade 7 and 8 students online for the 2020-2021 school year.

MyMotive   **Virtual**
Chief Technology Officer   *Jun 2020 - Oct 2020*

- Led the development of the company's MVP: a React-Native mobile app that helps users with their social lives by hosting and attending private events—finished within 2 months and led beta testing afterwards.

- 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

DeviceXchange - MongoDB, Express, React, Node.js, Cheerio - JAMHacks V

- Developed a web application that allows users to trade used devices and learn of their eco-friendliness via web-scraping.

- Implemented the frontend portion using React and other libraries, and helped link it to the Express/Node.js backend, MongoDB database, and Cheerio web-scraper script.

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 (Python Parselmouth).

HONORS & AWARDS

- Earned the Best Environmental/Social Good Hack Award at JAMHacks V.

- 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.

- Made honour rolls for Southwestern Ontario in the 2018 and 2019 Canadian Open Mathematics Challenge.

- Won third place in the 2019 ECOO-CS regionals competition, earning a spot to finals.

- Earned Distinction Award (top 25%) for the 2018, 2019, and 2021 CEMC Euclid Math Contest.