

Kellen Sun

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EDUCATION

University of Waterloo, Waterloo, Ontario
BCS, Honours Computer Science with Co-Op
\$14,000 National Math Scholarship

September 2023 — April 2028

- **Relevant Courses:** Designing Functional Programs (Advanced), Elementary Algorithm Design and Data Abstraction (Advanced).

Earl of March S.S., Ottawa, Ontario
Schulich Nominee

September 2019 — June 2023

- **Contests:** Two times AIME, CMOQR qualifier; CSMC, CCC Honour Roll

SKILLS

- **Languages:** Python, Javascript, HTML/CSS, C++; Racket.
- **Frameworks and Tools:** Flask, Node.js, React.js, MongoDB.
- **Software and Development Tools:** L^AT_EX, Asymptote, VSCode, GitHub, Excel.

EXPERIENCE

Logiscool, Ottawa, Ontario
Coding Instructor

July 2022 - February 2023

- Tutored Python and covered the basics of data structures and control flow in imperative programming.
- Taught EV3, Roblox Game Design, Minecraft Redstone and block-based coding.
- Provided attentive supervision and mentorship to children thus creating a safe and diverse learning environment.

Introduction to Geometry, Ottawa, Ontario
Co-Founder

July 2022 – September 2022

- Founded an organization for math and computing contest preparation.
- Designed from scratch and instructed a 12-hour long geometry course with lecture slides, problems and homework.

Math Club, Ottawa, Ontario
President

October 2021 – June 2023

- Coordinated weekly meetings creating a space for interactive learning, problem-solving, and knowledge sharing.
- Promoted club and created an engaging environment thereby growing club size to 100+ members.
- Presented keynote speeches on diverse mathematical subjects beyond the high school setting (including number theory and combinatorics) totalling 30+ hours.

PROJECTS

OpenBias, Hack the 6ix

August 2023

- Developed web and Chrome Extension app to crowdsource political bias in the news over a 36-hour hackathon.
- Brought vision to light by coding and releasing a Chrome Extension (with HTML/CSS/JS) which congregates data to a MongoDB database and links to a MERN website.
- Used Google Cloud Platform (Natural Language AI) to determine the politicalness of articles and warn users of potential bias.

Seedchain, JamHacks 7, Best Blockchain Hack

June 2023

- Programmed robust web application to facilitate micro-startup funding through transparent and secure blockchain technology.
- Leveraged Python (Flask), HTML/CSS/JS, JSON, while contributing to project branding through a pitch and logo.