Kyle Lai Thom

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Second year student at Carleton University pursuing an Honors degree in Computer Science with a focus on AI and Machine Learning, along with a minor in statistics. Seeking an 8-month CO-OP opportunity in web/software development starting in May 2024.

Education

Carleton University   Expected May 2027
Bachelor of Science in Computer Science with Minor in Statistics (GPA: 3.80 / 4.00)   *Ottawa, Ontario*
- **Stream:** Artificial Intelligence and Machine Learning
- **Awards:** Faculty Scholarship, Dean's List
- **Relevant Coursework:** Web Development, Systems Programming, Software Engineering, OOP Principles, Discrete Structures, Algorithms and Data Structures

Experience

Spirit of Math Schools   September 2019 – June 2022
Assistant Teacher   *Toronto, Ontario*
- Taught students advanced math principles using effective teaching strategies and providing clear examples.
- Maintained good communication with students and their parents regarding the curriculum and expectations on previous and upcoming assignments.
- Assessed and provided detailed feedback on student tests and homework.
- Adapted to both in-person and remote teaching environments to ensure students were not missing out on anything.

Self Employed   September 2021 – June 2022
Private Tutor   *Remote/Toronto, Ontario*
- Curated personalized math tutoring lessons to students in grades 4-6 that were tailored to their specific needs.
- Discussed areas in need of improvement with both parents and students with easy-to-understand directions.

Projects

Cycling Tracker and Competition Website (Coursework) | *Node.js, Express.js, Bootstrap, HTML/CSS, SQLite, Strava API, JavaScript*
- Developed a web platform allowing users to sync their cycling data with Strava to review statistics and compete with other users.
- Utilized SQLite relational database to store server and user data, optimizing data management processes and enhancing system performance.

K-pop Collection App (Personal) | *JavaFX, Java Swing, Java*
- Built a fully function GUI interface using JavaFX, Swing
- Introduced a platform enabling users to manage, organize, and share their digital trading cards and card collections.
- Implemented Java serialization for efficient storage and retrieval of client data contributing to easy distribution of user portfolios.

Web Scraper and Search Engine (Coursework) | *Python, Java, JavaFX*
- Created a efficient search engine application that scrapes website data and allows users to search keywords and receive results swiftly
- Engineered an optimized data storage strategy by organizing information in text files within structured folders to enhance runtime efficiency and ensure a compact storage footprint.

Technical Skills

Languages: JavaScript, HTML/CSS, Java, C/C++, Python, SQLite
Technologies: Node.js, Express.js, Bootstrap
Concepts: Data Structures and Algorithms, Object Oriented Principles, Relational Databases, Servers
Other: Bilingual (French Immersion Diploma and French Immersion Subject Award, Computer Science Subject Award