

Tanson Lee

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Github: <https://github.com/tansonlee>

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SKILLS

- **Python:** data analysis with **Numpy & Pandas**
- **JavaScript:** data & APIs – data visualization
- **Web development** with Node.js and Express
- Git/Github
- Strong communication and presentation skills
- Strong collaborative skills
- **Microsoft Excel's** advanced features

EXPERIENCE

SCIEX – AUGUST 2019 – SOFTWARE & RESEARCH INTERN

Worked with a team of Scientists and Engineers to develop automation software for mass spectrometry data. I developed a “Snorkel” labeling function program using **Python** in Jupyter with several libraries: **Numpy, Pandas, Matplotlib**.

SHAD – JULY 2019 – SHAD FELLOW @MEMORIAL UNIVERSITY OF NEWFOUNDLAND

For 30 days, I participated in over **60** STEM based **lectures and seminars** such as **Programming** for Robotics and Data Analysis with Ruby. Project Manager for the 8-person design project which was presented to prominent corporate CEO's and Executives; won the “Best Overall Project” Award.

TUTOR – MARCH 2020 - PRESENT

I tutor IB Higher Level Chemistry and Computer Science to grade 11 & 12s

DECA BUSINESS CLUB – SEPTEMBER 2017 - PRESENT – HEAD EXECUTIVE OF FINANCE

Led a cluster of 15 by teaching lessons and giving feedback on presentations. Hosted meetings and led 13 to provincials and 1 to internationals. Worked with an executive team of 10 with a chapter of 80.

CANADIAN TIRE – JULY - NOVEMBER 2018 – STORE CLERK

Advised customers and answered inquiries. Organized, stocked and planned product placement.

SIDE PROJECTS – [HTTPS://GITHUB.COM/TANSONLEE](https://github.com/tansonlee)

- Running App: Full stack app with Node.js, Express, nedb and Heroku to track distance and pacing.
- Fractal Generation Algorithms: Generates fractal patterns using several generation methods including the chaos game and Lindenmayer system approach
- Sudoku Solver: Uses a backtracking algorithm to solve sudokus
- Several Physics Simulations: including a double pendulum, wave dynamics and flocking simulation

EDUCATION

University of Waterloo – Bachelors of **Computer Science** CO-OP, 2020 - 2025

St. Robert CHS – **International Baccalaureate** Programme (IB), 2016 - 2020

AWARDS

- **Waterloo University** Math Contest Award, 2015
- **Physics Award, Math Award**, Honour Roll (Gr. 9 - 12), St. Robert CHS
- DECA 2018 (Accounting): Top 10 Presentation, Top 10 Exam, Top 2 Overall
- DECA 2019 (Financial Analysis): Top 10 Presentation, Top 10 Overall
- SHAD Design Project: Best Overall Project, Use of Scientific Principles and Application of Theme