

Tanson Lee

2A Computer Science

🔗 **Personal Website:** <https://tansonlee.netlify.app/>

🔗 **GitHub:** <https://github.com/tansonlee>

🔗 **LinkedIn:** <https://linkedin.com/in/tanson-lee>

t227lee@uwaterloo.ca

647-787-0353

SKILLS

Languages

- JavaScript (ES6+)
- Python
- C++, C
- Bash

Frontend

- React.js
- Redux
- SASS / CSS3
- HTML5

Backend

- Node.js
- Express
- MongoDB
- REST APIs

Tools

- Version Control (Git / GitHub)
- Linux & Bash
- Vim

Soft Skills

- Eager to Learn
- Teamwork
- Communication
- Organization

PROJECTS

[10+ more on my personal website and GitHub; link at the top right]

TrackMe -- Project Management Application

🔗 <https://track-me.netlify.app/>

- Developed a full stack application which helps manage, plan, and organize personal projects
- Implemented Google and GitHub user authentication with a guest mode using Firebase
- Utilized React.js, Redux, and SASS for the frontend; and Node, Express, and MongoDB for the backend

Personal Website

🔗 <https://tansonlee.netlify.app/>

- Created an original website to present my projects using React.js and Node.js; includes an auto-emailing form

COVID-19 Data Tracker

🔗 <https://covid19-tracker-tansonlee.netlify.app/>

- Built an aesthetic web application to visualize COVID-19 data using React.js and the opencovid API

PyLang -- Machine Language Interpreter

🔗 <https://github.com/tansonlee/machine-language>

- Designed and implemented a stored program computer that runs a machine language with 15 operations
- Utilized functional programming in Python and learned about computer architecture and RISC systems

Collision Simulator

🔗 <https://github.com/tansonlee/collision-simulator>

- Created an interactive collision simulator with a cohesive UI/UX using JavaScript and object-oriented design

EXPERIENCE

Software Developer Intern

Aug 2019

Sciex

- Developed Snorkel labeling software to automate the analysis of mass spectrometry data reducing peptide verification times from 1 hour to ~1 minute with >95% accuracy
- Produced over 2000 labeled data points for the Machine Learning Department
- Presented an analysis of my findings to the team in a 45 minute presentation
- Utilized Python with Jupyter Notebook with NumPy, Pandas, and Matplotlib

Computer Science, Math, Physics, Chemistry Tutor

Mar 2020 - Present

- Tutored grade 10, 11, and 12 students for 150+ hours improving their grades by ~10% on average

Store Clerk

Jul 2018 - Nov 2018

Canadian Tire

- Performed effectively under stress and demonstrated strong communication skills with customers

EDUCATION

University of Waterloo, Bachelors of Computer Science

2020-2025

- Participated in 2 hackathons: Hack the North, Delta Hacks
- Taking advanced level computer science courses (~6% of students in the faculty take them)

Cumulative GPA: 94.8%

St. Robert CHS, International Baccalaureate Programme

2016-2020

- Participated in DECA, STEM Council, SHAD, HOSA, Student Opportunity, Orchestra, Mental Health Committee