




## TONG LIU

3<sup>rd</sup> year, Major in Computer Science

 jonathon.liu@outlook.com  +1 (236) 867 9248  GitHub page

### TECHNICAL SKILLS

\*currently acquiring.

**Languages:** Java, JavaScript, Python, TypeScript, HTML, CSS, SQL\*, C++/C, C

**Frameworks:** JUnit, React, Redux\*, Express.js\*, Django\*

**Tools:** Node.js, Git

### TECHNICAL PROJECTS

**BC Hiker Blogging App** (Personal project) [React](#) | [Node.js](#) | [Express.js](#) | [PostgreSQL](#) | [Figma](#) July. 2023 – present

- Develop a web platform for hiking enthusiasts from BC to discover, navigate and document their hiking experience.
- Design and develop generic React UI components for app functionality including log-in, homepage, blogging, and searching and trail information pages.
- Structure relational database schema to manage user profiles, hiking trail details and user-generated blogs.
- Enhance user experience with dynamic searching, secure authentication, and infinite scroll functionality.

**Personal Website** (Personal project\*)  [Swiper.js](#) | [React](#) | [Figma](#) July. 2023 – present

- Design and deploy a fully responsive personal portfolio website using React.
- Implement dynamic features such as carousel/slides through Swiper.JS integration and create interactive tabs within the React framework.

**Donation Management App** (Academic project)  [Java Swing](#) | [JUnit](#) | [XML](#) Jan. 2023 – Apr. 2023

- Developed a fundraising management app that allows users to track and make donations to a list of rehabilitated wildlife at a conservatory facility.
- Designed and implemented a visually appealing Graphic user interface and integrated user interactivity using Java Swing
- Reinforced design and code integrity using JUnit testing.

### ADDITIONAL WORK EXPERIENCE

**Analytical Testing Analyst**, SGS Canada Burnaby, BC | Jan. 2021 – Aug. 2022

- Managed project timelines and liaised with internal/external resources to ensure timely delivery and client satisfaction.
- Collaborated with senior chemists on method development/validation and bolstered protocol accuracy and documentation.

**Research Scientist**, University of Alberta/Alberta Innovates, Edmonton, AB | Sept. 2018 – Dec. 2020

- Supported Principal investigators with research coordination, experimental design, and analytical method optimization.
- Applied Python and R for data analysis and drafted product prototypes to ensure the fusion of research insights and engineering practicalities.

### EDUCATION

**BSc. Second degree (Computer Science)**, The University of British Columbia Graduating May. 2025

Cumulative GPA : 86.0 % (4.00/4.33)

Vancouver, BC

**BSc. (Chemical Engineering)**, The University of Alberta

Sep. 2014 – Apr. 2018

Honours and Rewards: International Student Scholarship, Academic Excellence Scholarship

Edmonton, AB