

Bradley Li

Calgary, AB

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Technical Skills

- **Languages:** C/C++, Java, Python, JavaScript (including NodeJS), HTML/CSS, MySQL, PostgreSQL, Bash
- **Frameworks/ Libraries:** React, ReactNative, Express
- **Tools:** MongoDB, Mongoose, RESTful API, Amazon Web Services, Linux, Git/GitHub, Jira

Education

Bachelor of Science: Major in Computer Science | University of Calgary

Expected Graduation: 2025

- **Cumulative GPA:** 3.8/4.0
- **Awards:** Faculty of Science Dean's List (a GPA of 3.60 or higher), University of Calgary Undergraduate Award (top 1% in academics and extra-curriculum activities), President's Admission Scholarship (95%+ accumulative average)

Experience

Frontend Developer | Tech Start UCalgary

October 2022 – April 2023

- Employed software engineering principles and developed a **full-stack** course outline parser through **cross function collaboration** with a team of **seven** people.
- Contributed primarily to the **front-end** development using **React** and **Tailwind CSS** and worked closely with teammates in **design, code reviews** and **website testing**.
- Communicated clearly and effectively with all members of the team and ensured the production of high-quality code.

Computer Science Teaching Assistant | University of Calgary

May 2023 – July 2023

- Led a diverse group of over **20** students in comprehensive, hands-on coding practice sessions **twice** weekly and wrote over **1000** lines of high-quality code for demonstrating purposes.
- Collaborated closely with the course instructor and other TAs in a **fast-pacing** environment and **multitasked** to design impactful assignments and exam materials, actively contributing to creating **three** assignments, **midterm**, and **final** exams.
- Utilized strong communication skills to facilitate group discussions and encourage active participation in tutorials.

Technical Projects

Nature Tour Explorer – Tour Website (<https://github.com/BradleyLi/Nature-Tour-Explorer>)

July 2023 - Current

- Addressed the business problem of tour booking by developing a full-stack responsive platform which allows customers to browse different options for nature exploration and make tour booking in seconds.
- Implemented authentication and authorization functionalities by using **JWT** and following the best security practices; utilized Mongoose for data modelling and established a data pipeline for data analytics.
- **Technologies used:** NodeJS, Express, REST API, MongoDB Atlas, Mongoose, JWT, Git/GitHub, Heroku

Personal Portfolio Website (<https://github.com/BradleyLi/portfolio-website>)

May 2023 - June 2023

- Independently designed and developed a personal portfolio website showcasing personal experience and projects.
- Applied **Agile** methodology by using **Jira** for bug and issue tracking and project management.
- **Technologies used:** React, CSS, Bootstrap, NodeJS, Express, Git/GitHub, Heroku

Lifeline – Course Outline Parser (<https://github.com/techstartucalgary/lifeline>)

October 2022 – April 2023

- Actively contributed to the development of the frontend by developing highly **responsive** UI components using **React** and **Tailwind CSS** libraries.
- Actively used version control software **Git/GitHub** to streamline workflow and communication.
- **Technologies used:** HTML, Tailwind CSS, TypeScript, React, Git/GitHub

Expense Tracker (<https://github.com/BradleyLi/SmartSpend-ExpenseTracker>)

August 2022 – October 2022

- Designed, and developed an intuitive **front-end** application aimed at simplifying expense tracking for users.
- Innovatively implemented a comprehensive summary section utilizing a skillful blend of **JavaScript** and **CSS**, empowering users with enhanced insights into their monthly expenditure patterns and used **AWS S3** for deployment.
- **Technologies used:** React, JavaScript, HTML, CSS, AWS S3, Git/GitHub