Bradley Li

Calgary, AB

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Technical Skills

- **Languages:** JavaScript, NodeJS, TypeScript, Python (NumPy, Pandas), C/C++, Java, HTML/CSS, SQL/NoSQL, Scala
- **Frameworks/ Libraries:** React.js, Next.js, React Native, Express, Mongoose, Prisma, Hadoop, Apache Spark, Bootstrap
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Tools:** Figma, Git/GitHub, IntelliJ IDEA, Eclipse, Visual Studio Code, Jira, Linux, Docker, AWS, Postman, Expo

Education

Bachelor of Science: Major in Computer Science | University of Calgary   Expected Graduation: June 2025
- **Cumulative GPA**: 3.8/4.0
- **Awards**: Faculty of Science Dean's List, University of Calgary Undergraduate Award, President's Admission Scholarship
- **Courses**: Data Structure and Algorithms, Operating System, Computer Networks, Databases, Distributed Computing and Multiprocessor Programming, Big Data Analytics (Hadoop/MapReduce, Apache Spark), Full Stack Development

Work Experience

Mobile Application Developer Intern | Knapsack-X   January 2024 - Current
- Design and develop cross-platform mobile applications using React Native and other relevant technologies.
- Engage in various stages of the mobile gaming app development lifecycle, from requirement analysis and design to implementation, testing, and deployment.

Full Stack Developer Intern | Joblogic-X Corporation   May 2023 - August 2023
- Developed a short-video mobile app called MeetFood by effectively working with other developers, designers, and architects to implement UX/UI, frontend & backend functionalities, document user requirements and troubleshoot issues.
- Implemented user and video RESTful APIs, developed prototypes and user interface components, and aided in the application's deployment on AWS to achieve a resilient and scalable deployment.

Computer Science Teaching Assistant (*CPSC 449 Programming Paradigm*) | University of Calgary   May 2023 – July 2023
- Directed bi-weekly coding sessions for 20+ students and utilized strong communication skills to facilitate group discussions.
- Collaborated with faculty to develop three major assignments, midterm, and final exams in a fast-faced setting.

Coding & Math Tutor | YYC Tutoring   October 2022 - Current
- Have delivered one-on-one programming and math tutoring to over ten students, fostering enhanced understanding of topics.
- Simplified complex computer science and math concepts, boosting over five students' grades from 65-70% to over 80%.

Technical Projects

StudyHub – Chatroom Application (**GitHub Demo**)   September 2023 – December 2023
- Developed a real-time, multi-user chat application; utilized Socket.io for live messaging, integrated a Node.js backend with Express for robust service handling, and utilized MongoDB for efficient data storage; developed UI prototypes using Figma.
- **Technologies used:** React.js, Figma, Express, REST API, Postman, MongoDB Atlas, Mongoose, JWT, Git/GitHub, AWS

MeetFood – Short Video Platform (**Demo**)   May 2023 - August 2023
- Collaborated with cross-functional teams to develop and integrate user and video RESTful APIs, crafted responsive UI components, and contributed to the full-stack development and deployment of the application.
- **Technologies:** React Native, Typescript, Express, MongoDB, Mongoose, JWT, AWS S3, Elastic Beanstalk, Cognito

Extracurriculum & Club Activities

Frontend & Backend Developer | Tech Start UCalgary   October 2022 - April 2023 & October 2023 - Current
- Developed and optimized **three** UI pages and **ten+** components for a course outline parser while ensuring quality through **collaborative design**, **code reviews**, and **end-to-end testing**.
- Led the **backend** development of a Loyalty Reward Platform, driving the design and implementation process, and maintained clear communication with the team for consistent progress monitoring and reporting.
- **Technologies**: React Native, Next.js, TypeScript, Tailwind CSS, tRPC, Express.js, MongoDB, AWS, Git/GitHub

Vice President | UCCCF (University of Calgary Chinese Christian Fellowship)   September 2022 – Present
- Planned and organized comprehensive workshops, networking events to help students improve in all aspects of life.
- Helped hundreds of first-year students adapt university life by providing opportunities for guidance and resources.