

Topan Budiman

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Education

University of Calgary

Bachelor of Science in Software Engineering

Calgary, AB

Sept. 2020 - Present

- **GPA: 3.73/4.00**
- **Relevant Courses:** Data Structures and Algorithms, Object-Oriented Design, Operating Systems, Networks, Software Architecture and Design Patterns, Database Management Systems

Experience

Ovintiv

Software Developer Intern

Calgary, AB

May 2022 – Aug. 2022

- Built a **React dashboard web application** to streamline the current workflow for asset management
- Developed a **REST API** using **FastAPI** to query and analyze data to forecast trends accurately
- Enhanced reporting for business teams resulting in an increase of overall working productivity by **~25%**
- Practiced **agile methods** by engaging in **daily scrums** to ensure deliverables were completed in a timely manner
- Utilized **React, JavaScript, FastAPI, Python** and **Oracle Database**

Projects

A web application that allows users to purchase movie tickets online

TicketBox

- Built a **React web application** to streamline the process of purchasing movie tickets for various guest and registered users
- Developed a **Java Spring Boot API** to perform **RESTful** services such as fetching movie info and verifying user login info
- Followed **agile practices** to track project progress and to ensure deliverables were completed on-time

A Java GUI app that creates optimized food hampers based on the user's needs

FoodFinder

- Developed a **Java** application that created **optimized** food hampers base on inventory of items and needs of each family
- Implemented a **recursive algorithm** to distribute inventory efficiently, resulting in a reduction of food waste by **~15%**
- Created and implemented **UML** diagrams and created unit tests using **JUnit**

A gamified mobile application that suggests cooking recipes

DuoChef

- Designed and developed a web application using **React, Node.js** and **Firebase**
- Created an app that works as a social media platform as well as suggests cooking recipes to the user

Extracurriculars

Code the Change YYC

March. 2022 – Present

Co President

- **Oversee all operations** for a student-led initiative that provides volunteering and learning opportunities for students
- Managed a team of student executives to ensure deliverables were completed on time by following **agile methodology**
- Responsible for organizing a **nation-wide** hackathon with over **500+** participants across Canada

Code the Change YYC

March 2022 - June 2022

Project Team Lead

- Led a team of 4 students to develop a **web application** for a non-profit Org to streamline their donation drive process
- Utilized **React.js** for front-end, **Firebase** to store client info and **git** for version control
- Followed **agile practices** to ensure deliverables were completed in a timely manner

Skills

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

Technologies/Frameworks: React.js, Node.js, Next.js, Spring Boot, Tailwind, MaterialUI, FastAPI

Tools: Linux, Git, GitHub, Jira, Docker, MySQL, VSCode, IntelliJ, OracleDB, PostgreSQL, Firebase, Figma