

JAITUN PATEL

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EDUCATION

Bachelor of Computer Science Honors (Co-op) | *University of Manitoba* May 2020 - Present

• Topics of Interest: Software Engineering, Networks & Security

International College of Manitoba | *Honour Roll* Apr 2021

Certified courses from IIHT Education Center | C • C++ • Web Designing • Core Java Sept 2019 - Apr 2020

TECHNICAL SKILLS

Back-End Development | TypeScript • Python • R • Java • C • C++ • Processing

Front-End Development | React • JavaScript • HTML • CSS

Development Tools | Next.js • Android Studio • Vercel • JUnit • MySQL • LC-3 • Git • NodeJS • MS-office • VS code

WORK EXPERIENCE

Grader/Marker | *Computer Science Department, University of Manitoba* Jan 2023 - Present

• **Courses: Object Orientation Programming, Computing Ideas and Innovation**

- Review and evaluate student's programming code submissions, ensuring adherence to coding standards, best practices, and the course curriculum.
- Use various software to run multiple submissions and perform testing procedures to identify any issues, ensuring code functionality and efficiency.
- Help professors in grading assignments to ensure efficient grading thus allowing for quicker detailed feedback to the students.

Mobile and Smart Living Sales Advisor | *Best Buy* Aug 2021 - Present

- Activate mobile devices including smartphones, tablets and other connected devices, ensuring a smooth setup process..
- Educate customers about the different phone deals, promotions, and discounts available, helping them make informed decisions based on their budget and preferences.
- Proactively address and resolve customer complaints by investigating problems, developing solutions, preparing reports and making recommendations to management.

PROJECTS

OpenAlex - API | *TypeScript • React (Personal)* Present

- Develop a front-end web interface using TypeScript and React, utilizing the **Next.js** framework, to search for and filter academic articles in OpenAlex database using their **REST API**.
- Integrate the **Mantine.dev library** of React components to ensure a cohesive and visually appealing UI design, while allowing flexibility to create custom components as needed.

CookMate App | *Java • HSQLDB • Android Studio (Group Project)* Apr 2023

- Collaborated in a team of five to develop a user-friendly and innovative android application using the latest technologies and frameworks.
- Successfully divided the project into 4 iterations, following an **Agile methodology** to ensure seamless implementation, design and testing.
- Created comprehensive test functions using built-in **JUnit/Espresso** frameworks to ensure coverage of both front-end and back-end functionalities, contributing to overall robustness and reliability of the application.

Multi-threaded Web Server | *Python • C • JavaScript* Feb 2023

- Developed and implemented a server using Python socket library with **TCP connection** architecture. Demonstrated expertise in data processing to fetch and deliver image and text in multiple data formats, including **HTML** and **JSON** files.
- Developed user-friendly and **Robust APIs** that enabled clients to interact with the server easily, allowing for efficient posting and retrieving data from the database, resulting in a streamlined communication system and overall enhanced productivity.