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EDUCATION

Bachelor of Science, Specialization in Computing Science, Business Minor
University of Alberta

Edmonton, Alberta
Anticipated: 2022

SKILLS

Languages: HTML, CSS, JavaScript, TypeScript, Ruby, C, Java, Python, SQL

Frameworks: React, Next.js, Vue, Django, Rails, Android SDK

Tools: Git, GitHub, PostgreSQL, Figma, Firebase, Materialize CSS, Material UI, Trello, Slack

EXPERIENCE

Live Well Exercise Clinic

Software Developer Volunteer

Edmonton, Alberta
Jul. 2020 – Sep. 2020

- Developed 2 administrative dashboards to facilitate site navigation for company administrators.
- Added breadcrumbs to 12 webpages to improve customers' ease of access to previously visited webpages.
- Reorganized portions of the existing file structure in the codebase to enable easier code debugging.
- Wrote 2 RSpec tests to ensure the validity of newly written code.

Edmonton Public Schools

Team Lead

Edmonton, Alberta
Sep. 2019 – Mar. 2020

- Generated weekly plans of activities to encourage leadership and teamwork in a group of 30 students.
- Led a group of 3 coworkers in overseeing daily student activities and in helping the students with homework.
- Facilitated student engagement in activities from 2 external programs (DiscoverE and Action for Healthy Communities).
- Coordinated 3 student groups in field trips to Jurassic Forest, Millenium Place, Laser Quest and more.

PROJECTS

Today's To-Dos

React, Next.js

Edmonton, Alberta
Jul. 2021

- Built a to-do webapp that allows users to manage their progress through short-term tasks on a daily basis.
- Enhanced the webapp's UX to enable users to create and delete to-dos with the ENTER and BACKSPACE keys (in a similar experience to typing) instead of with "create to-do" and "delete to-do" buttons, which increase the friction involved in the users' interactions with the webapp.
- Stored user data client-side using localStorage so that user to-dos and settings are preserved when users refresh the site..

Pocketbook

Java, Android SDK, FirebaseAuth, Firestore, Firebase Storage, JUnit Testing, Figma, Trello, Slack

Edmonton, Alberta
Sep. 2020 – Nov. 2020

- Created a book lending/borrowing app with a team of five other people, using AGILE project management practices.
- Designed the app's local and Firebase model schemas, set up live loading to ensure that changes to the data in Firebase were immediately present in the app, and implemented rigorous data checks to ensure the validity of the information being transferred between the app and Firebase.
- Wrote unit tests for the app's model files and wrote 9 of the 16 intent UI test files to make sure that login, signup, book/profile editing, and other activity and fragment operations were conducted properly.

FindReq

Python

Edmonton, Alberta
Aug. 2020 – Sep. 2020

- Developed a prerequisite finder that connects to the University of Alberta's catalogue and finds all the prerequisites for the class that a user searches for, including the prerequisites of the found prerequisites.
- Implemented the Breadth First Search algorithm to efficiently process each class's prerequisites in a hierarchical order.
- Employed the FuzzyWuzzy string matching library to increase the accuracy of the results for the user's searched class.