

Dara_Nguyen

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PROJECTS

Accounting App

Apr 2020 – present

- Design and implement a full-stack server-side rendered web application to perform accounting functions in multiple languages and currencies
- Built with **ReactJS** front end, **Node.js** server, **PostgreSQL** for database, **GraphQL** and **Postgraphile** for API, **NextJS** for server-side and static site rendering, all in **TypeScript (JavaScript)**

UBC Campus Explorer

Jan – Apr 2020

- Employed test-driven development into building a full-stack web app with **RESTful API** to perform queries on UBC's course and room databases
- Created comprehensive **Mocha/Chai** unit tests to fully analyze user stories and efficiently implement back-end query engine in **Typescript**
- Performed async operations to retrieve web data and interact with ZIP files using **Node.js**

SuperRent (Car Rental)

Sep – Dec 2019

- Designed and implemented a database and client user interface for a car rental system
- Utilized **JDBC** to connect to **MySQL** and perform SQL database queries and updates in a **Java** application

House Finder App

Sep – Dec 2018

- A **Java-Swing** application which parses a list of properties in XML format into internal objects. Users can select properties based on a list of criteria and find their locations on a map
- Incorporated various design patterns to improve code readability and quality

WORK EXPERIENCE

Red Rocket Creative Strategies

Web Developer

May – Jul 2019

- Maintained content management systems including troubleshooting existing websites while ensuring cross-browser and multiple device type compatibility as per client request
- Provided support in implementation of custom websites in **WordPress** and **Drupal**

Accountant

Apr 2017 – Jul 2019

- Presented the company's financial operations via data analysis, and provided strategic recommendations for specific financial problems to assist managers in making business decisions
- Performed financial functions including bookkeeping, client billing and collection, payroll, bank reconciliation and sales tax filing

EDUCATION

University of British Columbia

Sep 2017 – Present

B.Sc., Major in Computer Science

TECHNICAL SKILLS

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

Technologies: Git, HTML/CSS, ReactJS, GraphQL, WordPress

TECHNICAL EXTRACURRICULAR ACTIVITIES

Code the Change, UBC

Sep 2018 – Jan 2019

- Collaborated with a team of 6 to build a website for a non-profit client from scratch using **WordPress**, **HTML/CSS** and **Bootstrap**; the website can be found at <http://patientsineducation.org/>

Competitive Programming, UBC

Jan – Apr 2020

- Develop strategies and implement solutions for data structure and algorithm related problems using **Java** and **C++**