

Patrick Lin

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SKILLS

PROGRAMMING

Proficient:

- Java • JavaScript
- TypeScript • React
- HTML/CSS • SQL

Familiar:

- C++ • PHP

COURSEWORK

COMPUTER SCIENCE

Software Engineering

Software Construction

Algorithms and Data Structures

Relational Databases

Definition of Programming Languages

Introduction to Artificial Intelligence

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA

B.A. IN PSYCHOLOGY

MINOR IN COMPUTER SCIENCE

Expected Dec 2019 | Vancouver, BC

EXTRACURRICULAR

nwHacks

Treasurer

2017 - Present

AIESEC UBC

VP Marketing

2015 - 2016

LINKS

Github:// [patricklinpl](#)

Website:// [patricklin.ca](#)

LinkedIn:// [patricklinpl](#)

PROJECTS

INSIGHTFULUBC | TYPESCRIPT, NODE.JS, JQUERY, BOOTSTRAP

- insightfulUBC is a full stack web application that parses UBC metadata and allows users to query information on the university
- In collaboration with a partner, we utilized Agile methodologies and RESTful design to build our web application
- Implemented an API back-end query engine to accept EBNF queries
- Parsed HTML data with parse5 to construct JSON datasets and used jQuery/Bootstrap to build a dynamic and user-friendly UI
- Deployed with Heroku: <https://insightfulubc.herokuapp.com/>

FUNTIME BISTRO | SQL, PHP

- Funtime Bistro is a web-page management system for a relational database that allows users to login, order, and pay for restaurant items
- Collaborated with a team of four to design and implement an entity-relationship model on a database
- Built PHP functions to take HTML form inputs and composed SQL queries to query related data

MIND THE GAP | JAVA

- Mind The Gap is an Android transit application that maps the location of London's transit stops and retrieves real time arrival information
- Given an UML class diagram, implemented and tested model classes
- Parsed data from Transport London API and plotted tube lines and stations on a map using OSMDroid and the OSMBonusPack libraries

EXPERIENCE

UBC LAND AND FOOD SYSTEMS | SOFTWARE DEVELOPER

July 2017 – Present | Vancouver, BC

- Collaborated on a client-side application in React that utilizes the Flickr and Google API to display a photo repository to support learning at UBC.
- Architecting a full stack web application for UBC's Dietetic major application process.
- Projects can be found at <https://github.com/UBC-LFS>

UBC SAUDER SCHOOL OF BUSINESS | WEB MARKETING ASSISTANT

July 2016 – Present | Vancouver, BC

- Deployed web content changes on the UBC Sauder website through Sitecore using HTML and CSS
- Identified opportunities to increase viewership and high-performing content by conducting marketing analysis through Google Analytics

UBC SAUDER SCHOOL OF BUSINESS | AV SUPPORT TECHNICIAN

August 2015 – Present | Vancouver, BC

- Provided basic troubleshooting for audio/visual and computer (PC and Mac) technical problems at UBC Sauder classrooms
- Instructed users on operation of audio/visual equipment