

# 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

- Built full stack web applications with React, NodeJS, and ES6 JavaScript.
- 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. Project can be found at <https://github.com/UBC-LFS/lfs-tlef-flickr>
- Lead the development on a UBC's Dietetic major form application that requires log in authentication and stores form data in a SQL database. Project can be found at <https://github.com/UBC-LFS/lfs-dietetics-app-client> and <https://github.com/UBC-LFS/lfs-dietetics-app-server>
- Currently working on a mass mailing web application that parses a CSV and sends a user defined template that maps rows with the head identifiers. Project can be found at <https://github.com/UBC-LFS/lfs-mass-mailer>

### 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