

# Patrick Lin

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## Skills

**Languages** JavaScript • TypeScript • Java • Python • SQL • XSLT • C++ • PHP  
**Technologies** NodeJS • React • Heroku • Git • Unix • Apache Ant

## Experience

### Scotiabank

📍 Toronto, Canada

JUNIOR DEVELOPER INTERN

Sept. 2018 - Present

- Implement new RESTful APIs for wire payments to enable internal users to create transactional records
- Following the Test-Driven Development process with technologies that include Java, Spring, and JUnit
- Utilize JIRA and Git in an Agile Scrum environment

### SAP

📍 Vancouver, Canada

SOFTWARE DEVELOPER INTERN

Jan. 2018 - Aug. 2018

- Fixed issues and extended features on SAP's customized version of the DITA Open Toolkit framework
- Lead developer on the DITA to Markdown Project. Developed features based on stakeholder requirements and reduced build time by 50 %.
- Designed and implemented a TLDR feature for SAP's new Help Portal. Refactored 750 lines of code to 150 and reduced load time by 35 %
- Built a CLI tool to scrape FIFA qualifier data for SAP's Analytics team for use in their [#PredictTheKick](#) campaign. 🌐 [patricklinpl/fifa-qualifier](#)

### UBC Faculty of Land and Food Systems

📍 Vancouver, Canada

SOFTWARE DEVELOPER INTERN

July 2017 - Jan. 2018

- Built full stack web applications with React, NodeJS, and ES6 JavaScript.
- Collaborated on a React client-side application that uses the Flickr and Google API to display a customized layout of photos. 🌐 [UBC-LFS/lfs-tlef-flickr](#)
- Lead the development on a full stack application that digitalized UBC's Dietetic major application. This required building proper log in authentication and storing of form data in a SQL database. 🌐 [UBC-LFS/lfs-dietetics-app-client](#) and 🌐 [UBC-LFS/lfs-dietetics-app-server](#)
- Created a mass mailing web application that parses a CSV to map headers to a user defined template. 🌐 [UBC-LFS/lfs-mass-mailer](#)

## Technical Projects

### insightfulUBC

🌐 [patricklinpl/insightfulUBC](#)

TYPESCRIPT, NODEJS, 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

### Funtime Bistro

🌐 [patricklinpl/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

🌐 [patricklinpl/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

## Education

### University of British Columbia

📍 Vancouver, Canada

B.A. IN COMPUTER SCIENCE AND PSYCHOLOGY

Class of 2020

- Undergraduate Coursework: Software Engineering, Software Construction, Object-Oriented Design, Algorithms and Data Structures, Relational Databases, and Definition of Programming Languages

## Extracurricular

- 2018 **Participant - Top 10 Projects**, NBA Hackathon
- 2017 **Co-Director & Director of Finance**, nwHacks
- 2015 **VP Marketing & Communications**, AIESEC UBC