

Patrick Lin

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Skills

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

Experience

Splunk - Software Engineer Intern

Jan. 2019 - Present

- Full stack engineer on the Cloud and Data Platform team that is responsible for migrating Splunk Enterprise to the cloud.

Houston Rockets - Software Engineer Intern (Remote)

Jan. 2019 - Present

- Supporting basketball operations by building internal software systems.

Scotiabank - Software Engineer Intern

Sept. 2018 - Dec. 2018

- Implemented a Java RESTful API for wire payments to enable internal users to create transactional records.
- Integrated IBM's Financial Transaction Manager to enable requests to Scotiabank's core payment engine.

SAP - Software Engineer Intern

Jan. 2018 - Aug. 2018

- Fixed issues and extended features on SAP's customized version of the DITA Open Toolkit framework.
- Reduced build time by 50 % on the DITA to Markdown Project.
- Designed a TLDR feature for SAP's Help Portal. Refactored 750 lines of code to 150 and reduced load time by 35 %.

UBC Faculty of Land and Food Systems - Software Engineer Intern

July 2017 - Jan. 2018

- Built a full stack application that digitized 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](#) | [🔗 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

NBA Fantasy

[🔗 patricklinpl/nba-fantasy](#)

- A python script that aims to create the best fantasy sports line up for a given day.
- Leverages open source tools to gather player data and uses machine learning algorithms to predict the best line up.

VDL Schedule Scraper

[🔗 patricklinpl/vdl-notify](#)

- A Cron utility that scrapes the Vancouver Dodgeball website daily and sends an email to users when a new schedule is posted.
- Users can add multiple teams and Google Calendar links will be generated for each event.

UBC Insights

[🔗 patricklinpl/ubc-insights](#)

- A full stack web application that parses UBC metadata and allows users to query information on the university.
- Implemented an API back-end query engine to accept EBNF queries.
- Parsed HTML data with parse5 to construct JSON datasets and used React to build a dynamic and user-friendly UI.

Funtime Bistro

[🔗 patricklinpl/funtime-bistro](#)

- 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 compose SQL queries to query related data.

Mind the Gap

[🔗 patricklinpl/mind-the-gap](#)

- 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.

Education

University of British Columbia - B.A. in Computer Science and Psychology

Expected May 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