

Patrick Lin

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Skills

Languages JavaScript • Java • Python • TypeScript • SQL
Technologies Spring Boot • NodeJS • React • PostgreSQL • MySQL • Git

Experience

UBC's Learning Analytics

Vancouver, BC

PART-TIME SOFTWARE ENGINEER

June 2019 - PRESENT

- Developed an Analytics dashboard for users to visualize Caliper Analytics data. 🔗 [patricklinpl/insights-dashboard](#)
- Designed and implemented PostgreSQL views to parse Caliper events and developed a new GraphQL layer to enable performant data requests.

NBA - Houston Rockets

Remote

SOFTWARE ENGINEER CONSULTANT

Jan. 2019 - PRESENT

- Supported basketball operations by improving the team's internal software systems.
- Worked on a video platform feature that enabled users to play, download, edit, and upload clips from the basketball game.
- Developed in JavaScript with a NodeJS backend and rendered UI with Pug.

UBC's Faculty of Land and Food Systems

Vancouver, BC

PART-TIME SOFTWARE ENGINEER

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](#)

Internships

Splunk

Vancouver, BC

SOFTWARE ENGINEER INTERN - CLOUD & DATA PLATFORM TEAM

Jan. 2019 - April 2019

- Full stack engineer on the Cloud and Data Platform team that is responsible for building third party connectors to ingest data into the Splunk platform.
- Implemented UI with React and worked with gRPC in Python to send data from third party APIs.

Scotiabank

Toronto, ON

SOFTWARE ENGINEER INTERN - WIRE PAYMENTS TEAM

Sept. 2018 - Dec. 2018

- Implemented a Java RESTful API with Spring Boot 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

Vancouver, BC

SOFTWARE ENGINEER INTERN - HELP PORTAL TEAM

Jan. 2018 - Aug. 2018

- Fixed issues and extended features on SAP's customized version of the DITA Open Toolkit framework.
- Improved build times 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 %.

Education

University of British Columbia

Vancouver, BC

B.A. IN COMPUTER SCIENCE AND PSYCHOLOGY

Expected May 2021

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