

# Devin Lu

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## SKILLS

### SOFTWARE ENGINEERING

React • Java • Python • C • C++ • Flask • Android • Spring Boot • HTML • CSS • PHP • SQL • Express • Javascript • Redux • Git • RESTful • Agile

### DATA SCIENCE

Tensorflow • SciKit • R • Keras • Pandas • NumPy • ETL • EDA

## WORK EXPERIENCE

### OPERTO | SOFTWARE DEVELOPER INTERN

Jan 2021 - Apr 2021 | React, Typescript, Redux, Twig, jQuery, PHP, PostgreSQL

- Increased stakeholder engagement by designing aesthetic UI features for the company's dashboard used by thousands of property managers worldwide.
- Improved system infrastructure by establishing new endpoints in the company's core API.
- Boosted customer satisfaction by executing SQL queries on the company's production database to service client requests.

## PROJECTS

### ENGINEERING CONSULTING ONLINE | TECH LEAD

Mar 2021 - Present | React, Bootstrap, Heroku

- Deployed an engineering consulting website by gathering requirements and collaborating with a senior engineering specialist.
- Produced educational articles from various different engineering disciplines such as mechanical, electrical, and geotechnical engineering.
- Designed analysis software for weather, vibration, ice, and wind data.

### DATAPREP | OPEN SOURCE CONTRIBUTOR

Sep 2021 - Present | Python

- Collaborated with the SFU Database Group for a capstone project to contribute to the open source Python library.
- Developed statistical reports and plot visualizations to better support researchers and data scientists by contributing to the EDA module.
- Optimized code runtime by computing functions in parallel using Dask.

### INSPECTAURANT | SCRUM MASTER

Feb 2020 - Apr 2020 | Android, Java, XML

- Directed an agile team of four to develop an android restaurant application that provides all past inspection reports of a selected restaurant from an online database.
- Applied the Google Maps API to display the user's location and restaurants.
- Internationalized the application to provide support for both English and French.

## EXTRACURRICULARS

### SOFTWARE SYSTEMS STUDENT SOCIETY | DIR. OF MARKETING

May 2020 - Apr 2021 | Simon Fraser University

- Promoted student engagement through the advertisement of events and online activities by managing all social media accounts of the student society.
- Achieved over 200+ applicants for the programs annual hackathon themed "LifeHacks."
- Selected as a mentor for the society's online COVID-19 hackathon named "Hackademia" to assist in any programming related issues.

## EDUCATION

### SIMON FRASER UNIVERSITY | BSc IN SOFTWARE SYSTEMS, SCHOOL OF COMPUTER SCIENCE

2018 - Present | Burnaby, BC