

Devin Lu

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EDUCATION

SIMON FRASER UNIVERSITY

B.S. IN SOFTWARE SYSTEMS

MINOR IN MATHEMATICS

2018 - 2022 | Burnaby, BC

SKILLS

SOFTWARE ENGINEERING

React • Java • Python • Flask • Android
• C++ • Spring • Docker • PHP • SQL
• Express • Javascript • Redux • Go

DATA SCIENCE

R • TensorFlow • MATLAB • Excel
• Pandas • NumPY • Keras • SciKit

MATHEMATICS

Linear/Integer Programming • Calculus
• Graph Theory • Probability

COURSEWORK

UNDERGRADUATE

CMPT 213: OOD in Java
CMPT 276: Software Engineering
CMPT 300: Operating Systems
CMPT 307: Data Structures, Algorithms
CMPT 310: Introduction to AI
CMPT 318: Cybersecurity
CMPT 354: Databases
CMPT 371: Computer Networking
CMPT 459: Data Mining
MACM 201: Discrete Mathematics
MATH 308: Linear Optimization
MSE 110: Mechatronics Design

PERSONAL INFO

LINKS

- Github:// [devinllu](#)
- LinkedIn:// [linkedin.com/devinllu](#)
- Website:// [devinllu.github.io](#)

AWARDS

- (1st) BC Junior Chess Tournament
- (2nd) BC Regional Chess Tournament
- (4th) Canadian Beatbox Champs (Tags)
- (8th) ABS Online Beatbox Tournament
- (4/5) AP Calculus AB Exam

LANGUAGES

- English (Fluent)
- Mandarin (Fluent)
- French (Conversational)

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 | CTO

Mar 2021 - Present | React, Bootstrap, Heroku

- Co-functioned with a senior engineering specialist through the deployment of an engineering consulting website via Heroku.
- 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.

G-CENTRO | STORMHACKS 2021

Feb 2021 - Feb 2021 | React, Firebase, Express, Node

- Developed a full-stack social media web application for gamers for the international-wide hackathon StormHacks under the theme of "Connections."
- Granted seamless access to users by allowing logins with their Google account through Google's API.
- Implemented the concept of virtual gamer "business" cards for users to share web links and contact info to others.

CHESSDB | SOLO DEVELOPER

Sep 2020 - Sep 2020 | Flask, Bootstrap, SQLite3, HTML, CSS

- Created a chess statistics web application that allows users to download their monthly archives and analyze their games and chess statistics.
- Extracted user data using Chess.com's API in Python3.
- Optimized future retrieval of games by storing data to a SQLite3 database.

INSPECTAURANT | SCRUM MASTER

Feb 2020 - Apr 2020 | Android, Java

- Directed an agile team of four to develop an android restaurant application that provides all past inspection reports of a selected restaurant from a 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."