

# Leo Shin

## Software Engineering



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Shin-Leo

## Technical Skills

### Languages

JavaScript • Java • Python

Scala • SQL • Go

C • C++ • R

### Libraries & Frameworks

Django • Flask • React

jQuery • Pandas • Numpy

PyQt5 • Spring • Swing

## Other Skills

### Soft Skills

- *Clear Communication*
- *Effective Time-Management*
- *Reliable Adaptability*

### Hard Skills

- *Proficiency in Korean*
- *Microsoft Excel & Powerpoint*
- *Search Engine Optimization*

## Education

Sept 2018 - **University of British Columbia**

Present

- *Combined Major in Computer Science and Business*
- **Activities:** JDC West, National Strategy Consulting Competition (NSCC), Impel Consulting

## Technical Projects

June 2021 - **reHarmonizer**

Flask, Python

Present

- A Flask project for the reharmonization of melodies based on a user-inputted melody and chord progression
- Worked frequently with event-driven programming to capture the user's cursor movement and render the correct melodies.
  - Quickly developed proficiency in the following APIs to ensure steady progress: Vexflow.js, Tone.js, Magenta.js
  - **Tools:** Vexflow.js, Tone.js, Magenta.js

May 2021 - **Options Portfolio Simulator**

Django, Python, Postgres

Present

- Used the Django framework to develop a simulator that executes, saves, and keeps track of various options strategies (Butterfly Spreads, Iron Condor, etc)
- Developed resourceful ways to clean, parse, and operate on financial data frames received from the yfinance API
  - Implemented a custom authentication and conditional html rendering by extending Django's tools.
  - Structured a relational model and built a data base using PostgreSQL correctly store user data
  - **Tools:** yfinance.py, chart.js, pandas, numpy

## Organizations & Competitions

Nov 2019

**National Strategy Case Competition**

Business Strategy - 2nd place

- Placed second at the National Strategy Case Competition by proposing a long term business growth plan to lululemon
- Utilized Excel to create a budget, revenue projections, and a discounted cash flow analysis
  - Created a Powerpoint deck with executive summary, risks and mitigations, timeline, appendix.
  - **Tools:** Excel, Powerpoint

May 2019 -

**JDC West**

Marketing - 5th place

Feb 2020

- Competed in the marketing discipline at largest collegiate Canadian Business competition.
- Ideated, expanded and implemented a multitude business case scenario solutions throughout the year during weekly practices
  - Became well-versed in SEO, advertising revenue models, marketing campaigns, and pricing models
  - **Tools:** Excel, Powerpoint

May 2018 -

**Enactus - Impel Consulting**

Project Consultant

Jan 2020

- Worked with a variety of social entrepreneurship start-up founders to help find scalable and effective technology solution
- Maintained client relations by providing timely communication and business process analysis
  - Assessed deliverables promised and coordinated with fellow consultants to determine an action plan with engagement timeline along with milestones and key deliverables
  - **Tools:** Excel, Powerpoint