

Youup Kim

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Education

University of Calgary

BS in Software Engineering

Sept. 2017 - May 2022

- Relevant Courses: Data Structures and Algorithms, Object-Oriented Design, Operating Systems, Computer Networks

Work Experience

BMO Capital Markets

Software Developer Intern

Sept. 2020 - Dec. 2020

Toronto, Canada

- Working as a Software Developer Intern on the Integrated Solutions team to develop automated tools to increase trading volume and accuracy.

University of Calgary

Software Developer Intern

May 2020 - Aug. 2020

Calgary, Canada

- Project Lead - from design, implementation, testing, and deployment of a web application using **Vue.js**.
- Implemented server-less architecture with cloud services using **Firebase** for Authentication, Database, and Hosting.

BMO Capital Markets

Quantitative Software Developer Intern

Jan. 2020 - Apr. 2020

Toronto, Canada

- Designed and built features for a portfolio optimization / analytics tool using **Vue.js** and **Python (Flask)** with **Oracle**.
- Decreased troubleshooting times by implementing a live help-chat using SendBird API .
- Achieved 95% accuracy on a time-series forecasting model in **Python** for US Treasury Inflows / Outflows.

JORI International

Software Developer Intern

May 2019 - Aug. 2019

Calgary, Canada

- Designed and built various pages of a web application using **Angular** and **C #** with **MongoDB** .
- Decreased manual data-entry times by 90% by creating an Excel parser with **WinForms** .

Projects

MyFitness

Current

- A mobile app to add and keep track of workout routines + progress. Built using **React Native** .

Property Rental Management System

2019

- A multi-threaded application to simulate a PRMS with landlords, property managers, and tenants. Built using **Java** with **Swing** GUI and **SQLite** database with application of various design patterns and socket programming.

Skills

Languages : Java, C / C ++, Python, SQL, C #, JavaScript, HTML, CSS

Frameworks / Tools : Angular, Vue.js, React, React Native, Bootstrap, JQuery, Flask, Git, Firebase, Jupyter Labs

Database : MongoDB, Oracle, SQLite, Firestore

Further Education

Full-Stack Web Development with React / React Native Specialization

Current

The Hong Kong University of Science and Technology (Coursera) - 4 Course Certification

IBM Data Science Professional Certificate

Current

IBM (Coursera) - 9 Course Professional Certificate Program