Youup Kim

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Education

University of Calgary
Sept. 2017 - May 2022

B.S. in Software Engineering
- Relevant Courses: Data Structures and Algorithms, Object-Oriented Design, Operating Systems, Computer Networks

Work Experience

BMO Capital Markets
Sept. 2020 - Dec. 2020

Software Developer Intern
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
May 2020 - Aug. 2020

Software Developer Intern
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.

Skills: Vue.js, Firebase, HTML/CSS

BMO Capital Markets
Jan. 2020 - Apr. 2020

Quantitative Software Developer Intern
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.

Skills: Vue.js, Python, Oracle, Jupyter Labs, Data Forecasting, Data Visualization

JORI International
May 2019 - Aug. 2019

Software Developer Intern
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**.

Skills: Angular, C#, MongoDB, SQL

Projects

MyFitness
Current

- A mobile app to add and keep track of workout routines + progress.

Skills: React Native

WebChat
2020

- Video chat website using Twilio Video API.

Skills: React, Express, Node.js

Property Rental Management System
2019

- A multi-threaded application to simulate a PRMS with landlords, property managers, and tenants with application of various design patterns and socket programming.

Skills: Java, SQLite, Multi-threading, Client-server

Further Education

Full-Stack Web Development with React/React Native Specialization
May 2020 - Sept. 2020

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