

Youup Kim

SEEKING SUMMER 2021 SOFTWARE ENGINEERING INTERNSHIPS

Calgary, AB, Canada

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Education

University of Calgary

Calgary, Canada

B.S. IN SOFTWARE ENGINEERING

Sep. 2017 - May. 2022

- Relevant Courses: Data Structures and Algorithms, Object-Oriented Design, Operating Systems, Computer Networks, Database Management Systems, Software Requirements/Architecture/Testing

Work Experience

BMO Capital Markets

Toronto, Canada

SOFTWARE DEVELOPER INTERN

Sep. 2020 - Dec. 2020

- Working as a Software Developer Intern on the Integrated Solutions team to develop automated tools to increase trading volume and accuracy.
- Migrating a **C#** application to **Java** from scratch to grab real-time market data.
- Creating API endpoints in **GraphQL** + **TypeScript**.

University of Calgary

Calgary, Canada

SOFTWARE DEVELOPER INTERN

May. 2020 - Aug. 2020

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

BMO Capital Markets

Toronto, Canada

QUANTITATIVE SOFTWARE DEVELOPER INTERN

Jan. 2020 - Apr. 2020

- 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

Calgary, Canada

SOFTWARE DEVELOPER INTERN

May. 2019 - Aug. 2019

- 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

PERSONAL PROJECT - REACT NATIVE

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

WebChat

PERSONAL PROJECT - REACT, EXPRESS, NODE.JS

- Video chat website using Twilio Video API.

Property Rental Management System

COURSE FINAL PROJECT - JAVA, SQLITE

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

Skills

Programming Languages: Java, C#, Python, C, C++, JavaScript, TypeScript, GraphQL

Web Technologies: React, Vue.js, Angular, HTML, CSS, JSON

Databases: Oracle 11g, SQLite, MongoDB, Firestore

Platforms/Tools: Google Cloud Firebase, Heroku, Git, SVN, Jupyter Labs