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*

- Migrating a **C#** application to **Java** from scratch to grab real-time market data.
- Creating API endpoints in **GraphQL** + **TypeScript**.
- Creating a website for uploading trades in **React** + **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

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