Youup Kim

403-404-5528 | ✉ youup99@gmail.com | 🏠 www.youupkim.com | ⬚ youup99 | ⬚ david-kim7

Education

University of Calgary   *Calgary, Canada*
BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING   *Sep. 2017 - May. 2022*

Work Experience

BMO Capital Markets   *Toronto, Canada*
SOFTWARE DEVELOPER INTERN - GLOBAL MARKETS ENGINEERING   *Sep. 2020 - Dec. 2020*
- Created an **Apollo GraphQL** server in **TypeScript** with 20+ mutations and schemas to store JSON data onto a **Oracle SODA** database.
- Designed the UI and developed a web app from scratch using **React + TypeScript** that sends user submissions to the GraphQL server.
- Migrated parts of a **C#** application to **Java** from scratch to grab real-time market data.

University of Calgary   *Calgary, Canada*
SOFTWARE DEVELOPER INTERN - DEPARTMENT OF CHEMICAL AND PETROLEUM ENGINEERING   *May. 2020 - Aug. 2020*
- Spearheaded the design, implementation, testing, and deployment of a web application using **Vue.js**.
- Implemented BaaS(Backend-as-a-Service) model using **Google Cloud Firebase** for Authentication, Database, and Hosting.

BMO Capital Markets   *Toronto, Canada*
QUANTITATIVE SOFTWARE DEVELOPER INTERN - FIXED INCOME CURRENCIES & COMMODITIES   *Jan. 2020 - Apr. 2020*
- Designed and built 5+ features using **Vue.js** and **Python** for a portfolio optimization/analytics website.
- Integrated a live help-chat in the website using **SendBird Chat**.
- Engineered a time-series forecasting model with 95% accuracy in **Python** for US Treasury Inflows/Outflows.

JORI International   *Calgary, Canada*
SOFTWARE DEVELOPER INTERN - OPENBORDER   *May. 2019 - Aug. 2019*
- Designed the UI and built various pages of a web application using **Angular** and **C#** with **MongoDB**.
- Saved 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:	TypeScript, JavaScript, GraphQL, Java, C#, Python, C/C++
Web Technologies:	React, Vue.js, Angular, HTML, CSS, JSON
Databases:	MongoDB, Firestore, Oracle 11g, SQLite
Platforms/Tools:	Google Cloud Firebase, Heroku, Git, SVN, Jupyter Labs