Youup Kim

✉ youup99@gmail.com ☎ 403-404-5528 ⚲ 105 Royal Crest Terrace, Calgary, AB, T3G 4M2
in david-kim7 ⚬ youup99

Skills

Languages: Java, C/C++, Python, SQL, C#, JavaScript, HTML, CSS, JSON, SASS, PL/SQL
Frameworks/Tools: Angular, Vue.js, Vuex, React, Node.js, Jupyter Labs, Bootstrap, Docker, Heroku, JQuery, Azure DevOps, Flask, Git, Firebase, Google Cloud Platform
Database: MongoDB, Oracle, SQLite, Firestore

Employment

University of Calgary	May 2020 - Aug. 2020
Full Stack Developer Intern	Calgary, AB

LCA Estimate Model for CCU - Life Cycle Assessment for Carbon Capture and Utilization pathways (Vue.js, Firebase)
- **Project Lead** - from design, implementation, testing, and deployment of the web application.
- Integrated Firebase for Authentication, Database, and Hosting.
- **Streamlined the calculation process by 50%** by converting Excel-based calculations to JavaScript.

BMO Capital Markets	Jan. 2020 - Apr. 2020
Quantitative Software Developer Intern	Toronto, ON

Fixed Income Portfolio Optimizer (Vue.js, Python - Flask, MongoDB, Oracle)
US Treasury Analysis (Python)
- **Successfully secured a multi-million dollar deal** with our portfolio analytics tool.
- **Decreased troubleshooting times by more than 10x** by implementing a live help-chat using SendBird API**.**
- Built cross-browser compatible web UI components for the Portfolio Optimizer.
- **Achieved 95% accuracy** on a time-series forecasting model using Facebook Prophet for US Treasury Inflows/Outflows.
- **Saved 1 developer hour/day** by automating daily reports on US Treasury Market Data.

JORI International	May 2019 - Aug. 2019
Software Engineer Intern	Calgary, AB

OpenBorder (Angular, C#, MongoDB)
- Prototyped and architected various pages of the website using Axure RP.
- **Implemented 2 RESTful APIs** provided by shipping carriers.
- **Decreased manual data-entry times by 90%** by creating an Excel parser with WinForms.
- **Improved workflow by 20%** for accountants with SQL queries in MS SQL Server to automate accounting reports in CargoWise.

Education

University of Calgary	Sept. 2017 - May 2022

Bachelor of Science in Software Engineering
GPA : 3.1

Further Education

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

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

IBM Data Science Professional Certificate	May 2020 - Current

IBM (Coursera) - 9 Course Professional Certificate Program