Youup Kim

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Skills

Languages: Java, C/C++, Python, SQL, C#, JavaScript, HTML, CSS
Frameworks/Tools: Angular, Vue.js, React, Jupyter Labs, Bootstrap, JQuery, Flask, Git, Firebase
Database: MongoDB, Oracle, SQLite, Firestore

Employment

BMO Capital Markets   Sept. 2020 - Dec. 2020
(Incoming) Quantitative Software Developer Intern   Toronto, ON

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.
- **Implemented server-less architecture** with cloud services using Firebase for Authentication, Database, and Hosting

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 optimization/analytics tool.
- **Decreased troubleshooting times by more than 10x** by implementing a live help-chat using SendBird API**.**
- **Achieved 95% accuracy** on a time-series forecasting model using Facebook Prophet for US Treasury Inflows/Outflows.

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.

Education

University of Calgary   Sept. 2017 - May 2022
Bachelor of Science in Software Engineering

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