

Youup Kim

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Education

University of Calgary

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

- Relevant Courses: Software Architecture/Testing, Web-Based Systems, Distributed Systems

Calgary, Canada

Sep. 2017 - Apr. 2022

Skills

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

Web/Mobile Technologies: React, React Native, Vue.js, Angular

Databases: PostgreSQL, MongoDB, SQLite, AWS DynamoDB

Platforms/Tools: AWS (S3, EC2, RDS, Lambda, Step Functions, API Gateway, SQS, ECR), Google Cloud Firebase, Git

Work Experience

Amazon

SOFTWARE DEVELOPMENT ENGINEER INTERN - DATAPATH EFFICIENCY

- Developed a test track for Datapath experiments to visualize performance metrics and see the efficiency of the current running software using **React and Java/Node.js** with **AWS DynamoDB**.
- Opportunity to optimize **10+ million transactions per second** that are running through the Datapath platform.

Vancouver, Canada

Jun. 2021 - Sept. 2021

BMO Capital Markets

SOFTWARE DEVELOPER INTERN - GLOBAL MARKETS ENGINEERING

- Designed the UI and developed a web app using **React + TypeScript** for traders to use.
- Created an **Apollo GraphQL** server in **TypeScript** to store JSON data onto an **Oracle SODA** database.
- Migrated parts of a **C#** application to **Java** from scratch to grab real-time market data.

Toronto, Canada

Sep. 2020 - Dec. 2020

University of Calgary

SOFTWARE DEVELOPER INTERN - DEPARTMENT OF CHEMICAL AND PETROLEUM ENGINEERING

- 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.

Calgary, Canada

May. 2020 - Aug. 2020

BMO Capital Markets

QUANTITATIVE SOFTWARE DEVELOPER INTERN - FIXED INCOME CURRENCIES & COMMODITIES

- Designed and built 5+ features using **Vue.js** and **Python** for a portfolio optimization/analytics website.
- Engineered a time-series forecasting model with 95% accuracy in **Python** for US Treasury Inflows/Outflows.

Toronto, Canada

Jan. 2020 - Apr. 2020

JORI International

SOFTWARE DEVELOPER INTERN - OPENBORDER

- Designed the UI and built various pages of a web application using **Angular** and **C#** with **MongoDB**.

Calgary, Canada

May. 2019 - Aug. 2019

Projects

Dovetail

PERSONAL PROJECT - REACT, REACT NATIVE, FASTAPI (PYTHON), NODE.JS, POSTGRESQL, AWS

- Website + Mobile App where users can see their entire portfolio from investment accounts, crypto wallets, and adding manual investments.