

Youup Kim

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Education

University of Calgary

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

Calgary, Canada

Sep. 2017 - Apr. 2022

- Relevant Courses: Data Structures and Algorithms, Object-Oriented Design, Operating Systems, Software Architecture/Testing

Skills

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

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

Databases: PostgreSQL, MongoDB, SQLite

Platforms/Tools: AWS S3, AWS RDS, Google Cloud Firebase, Git, SVN

Work Experience

Amazon

Vancouver, Canada

SOFTWARE DEVELOPMENT ENGINEER INTERN - DATAPATH EFFICIENCY

Jun. 2021 - Sept. 2021

- Datapath is a hosted Tier 1 Service Oriented Architecture (SOA) platform where Amazon developers write logic and deploy it using standard Amazon developer tooling, after which Datapath takes over and makes the decision of how to optimally run it.

BMO Capital Markets

Toronto, Canada

SOFTWARE DEVELOPER INTERN - GLOBAL MARKETS ENGINEERING

Sep. 2020 - Dec. 2020

- 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.

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.
- 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**.

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.

CamSpot

COURSE FINAL PROJECT - REACT NATIVE, FASTAPI (PYTHON), POSTGRESQL, AWS

- Mobile App where users can upload cool places they have visited with a photo (like Instagram).