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# FRANK JIA

I create value by combining technical expertise with business intellect.

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## SKILLS

- > Backend engineering for **web services** and **data processing**  
Knowledge of both microservice and monolithic service design; Experience with Golang, Python, Java, Kotlin, and NodeJS
- > Frontend development for **mobile** and **web**  
Experience with languages such as Swift, Kotlin, and Javascript for iOS, Android, and web development
- > Cloud infrastructure knowledge with **AWS** and **GCP**  
Knowledge of deploying and monitoring production services with tools such as Kubernetes, Docker, Helm, and Envoy

## EDUCATION

**University of British Columbia** — BSc in Engineering Physics, Minor in Commerce

SEPT 2016 - PRESENT, EXPECTED COMPLETION: MAY 2022

- > 5th year ENPH, an interdisciplinary program that combines engineering with math and physics; Current average: 93%

## EXPERIENCE

**Shopify** — iOS Developer Intern

SEPT 2020 - CURRENT

- > Responsible for the implementation of a thread-safe websocket client for Shopify Mobile
- > Helped to explore the integration of React Native workflows within our Swift iOS codebase
- > Ensured the success of our application with routine bug fixes and the management of our app release process
- > **Key Technologies:** Swift, Javascript (React Native + Typescript)

**SAP Concur** — Software Engineer Intern

MAY 2019 - DEC 2019 | MAY 2020 - SEPT 2020

- > Responsible for maintaining and improving a Java Spring microservice that handles 1M+ live transactions per month
- > Led and accelerated the completion of mobile booking workflows for the Concur Travel iOS and Android app
- > Managed feature development and devops pipeline for a backend Golang microservice that serves location data
- > Designed and implemented an automated data loading and replication process with AWS Elasticsearch and Lambda
- > **Key Technologies:** Golang, Java, Swift, Kotlin, C#/.NET, GraphQL, AWS, Elasticsearch, Kubernetes, Envoy/Istio

**Grow Technologies** — Software Engineer Intern

JAN 2018 - APR 2018

- > Critical in accelerating backend feature development of a monolithic backend service for the fintech startup
- > Responsible for the design and creation of an ID verification microservice to identify fraud in banking applications
- > **Key Technologies:** Java, Python, Google Cloud

**3D Workbench** — Owner & Operator

JAN 2016 - JAN 2018

## PROJECTS

**Leaders Prize** — AI To Identify Fake News, Phase 2 Finalist - 5th Place

JUL 2019 - JUL 2020

- > Created machine learning pipeline to predict the truthfulness of a claim for the [Leaders Prize](#) competition
- > **Key Technologies:** Python, Keras, Pytorch

**Clerc Technologies** — Mobile Checkout for Retailers, Co-Founder

JAN 2019 - SEPT 2019

- > Architected an end-to-end solution to enable customers to shop at participating stores directly with their mobile phones
- > Created a backend service for payment processing, a webapp for product management, and mobile apps for in-store checkout
- > **Key Technologies:** Swift, Ruby, Kotlin, Javascript (React), Google Cloud