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FRANK JIA

I create value by combining technical expertise with business intellect.

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 — BASc 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 - DEC 2020

> Mobile developer intern on Shopify's iOS framework team

SAP Concur — Software Engineer   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 — Junior Software Engineer   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

> Operated an eCommerce retailer for 3D printers on Amazon and eBay, grossing over $300,000 CDN in total revenue

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
> Designed, implemented, and launched a backend service for payment processing, a webapp for retailers to manage their products, and iOS/Android apps for customers to scan items & checkout in-store
> **Key Technologies:** Swift, Ruby, Kotlin, ReactJS, Google Cloud