

Yan Ke

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EXPERIENCE

Google, Software Engineering Intern

Sunnyvale, CA • Jan 20 - Apr 20

Khan Academy, Software Engineering Intern

Mountain View, CA • May 19 - Aug 19

- Worked with product and analytics teams to revamp A/B testing metrics based on time spent on site using Python, Dataflow, and BigQuery, saving \$12k per month
- Developed a Go load testing framework for evaluating performances on App Engine
- Designed a server-side GraphQL schema stitcher in Go, increasing performance by 42%

Scribd, Software Engineering Intern

San Francisco, CA • Sept 18 - Dec 18

- Redesigned data pipeline management platform in Ruby using service discovery architecture, improving nightly performance by 23%
- Reduced runtime of A/B testing by 86% by migrating Hive queries to Scala Spark
- Implemented K-means clustering on book cover assets to automate border color selection, launched on a concurrent image server using Go and OpenCV

Shopify, Software Engineering Intern

Ottawa, ON • Jan 18 - Apr 18

- Enabled merchants to manage inventory and optimize shipping across locations by developing multi-location features using Ruby on Rails and JavaScript
- Leveraged Redis to reduce inventory database deadlocks on checkout for merchants

Aterica, Software Engineer Intern

Waterloo, ON • May 17 - Aug 17

- Designed, prototyped and shipped social networking features with parental controls using Android, Java backend, Firebase, and SocketIO

PROJECTS & ACTIVITIES

University of Waterloo - HCI Lab, Software Engineering Intern

Jan 19 - Apr 19

- Investigated effects of recommendation systems on productivity through literature reviews
- Developed a crowdsourcing data collection platform using Ruby on Rails, React and Docker

Biomechatronics Student Design Team, Software Lead

Sept 16 - Aug 17

- Led team to train a SVM classifier to control a prosthetic hand using EMG sensors

SKILLS

Languages Python, Go, Ruby, Java, C / C++, Scala, JavaScript, SQL, Bash

Frameworks Ruby on Rails, Flask, Spark, Chrome, Android, React, GraphQL

Infrastructure Google Cloud Platform, Docker, Redis, Elasticsearch, Git

EDUCATION

University of Waterloo, BCS Computer Science (94% GPA)

Sept 16 - Apr 21