Yan Ke

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EXPERIENCE

Google, Software Engineering Intern — *Sunnyvale, CA • Jan 20 - Apr 20*

- Designed an open-source shared monitoring tool ⬀ using Go to import customer metrics from InfluxDB to Stackdriver, allowing for fault attribution via SLOs during outages
- Developed internal application to track SRE customer engagements using Go and AngularJS, added new workflow features and increased infrastructure support

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

ACTIVITIES

University of Waterloo - HCI Lab, Research Assistant — *Jan 19 - Apr 19*

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

SKILLS

Languages	Python, Go, Ruby, Java, C++, 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*