Yan Ke

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EXPERIENCE

Khan Academy, Software Engineering Intern   *Remote • Sep 20 - Dec 20*

Stripe, Software Engineering Intern   *Remote • May 20 - Aug 20*

- Implemented support for high-cardinality metrics in existing metrics pipeline using Go, Prometheus and Kubernetes, increasing system visibility for debugging and diagnosis

Google, Software (SRE) Engineering Intern   *Sunnyvale, CA • Jan 20 - Apr 20*

- Developed and promoted workflow tools to share customer metrics between GCP SRE teams using Go, with careful consideration for user data privacy and access control
- Wrote an open-source shared monitoring tool ⬈ using Go to aggregate customer metrics from InfluxDB to Stackdriver, allowing for fault attribution via SLOs during outages

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 • Sep 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 pipeline by 86% by migrating Hive 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*

- Created social networking features with parental controls on Android and Java backend

SKILLS

Languages	Go, Python, 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)   *Sep 16 - Apr 21*