

Yan Ke

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EXPERIENCE

Data Engineering Intern, Scribd

Sep' 18 - Dec' 18 • San Francisco, CA

- Redesigned data pipeline in Ruby using service discovery architecture, improving nightly performance by 23%, allowing the system to scale with increased data, and introducing support for Spark jobs
- Reduced runtime of A/B testing data analysis by 86% by migrating Hive queries to Scala Spark
- Launched a concurrent image server using Go and OpenCV, serving 80k requests per second
- Implemented K-means clustering on book cover assets to infer complementary colors in Go

Backend Developer Intern, Shopify

Jan' 18 - Apr' 18 • Ottawa, ON

- Enabled merchants to manage inventory and optimize shipping across locations by developing multi-location features in Ruby on Rails, MySQL, Javascript, Elasticsearch, and Redis
- Collaborated with product teams to deprecate and re-design checkout APIs / webhooks
- Leveraged Redis to reduce inventory database deadlocks for high traffic merchants on checkout

Software Engineering Intern, Aterica

May' 17 - Aug' 17 • Waterloo, ON

- Designed, prototyped and shipped social network features with parental controls using SocketIO on Android and Java backend; managed its incremental rollout to different user groups
- Created a user engagement dashboard using React and Flask to log, process, and analyze user activity data for facilitating product decisions

RESEARCH & PROJECTS

Research Assistant, University of Waterloo (HCI Lab)

Jan' 19 - Current • Waterloo, ON

- Developing a Human Intelligence Task (HIT) recommendation system for Amazon Mechanical Turk

Software Team Lead, Biomechatronics Student Design Team

Sep' 16 - Aug' 17 • Waterloo, ON

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

Projects: Hacked projects for personal use, including filtering out spoilers on web pages, password encryption, tracking new TV shows, and hosting scavenger hunt games -- see more on itsyan.me/projects

SKILLS

Languages: Ruby • Python • C • C++ • Go •
Scala • Java • Javascript • HTML • CSS • SQL •
Bash

Frameworks & Tools: Ruby on Rails • Flask •
Spark • Chrome • Android • Redis • Elasticsearch
• Docker • Git

EDUCATION

University of Waterloo, Computer Science

Sep' 16 - Apr' 21 (Expected) • Waterloo, ON

- 94% average, Dean's List all terms
- First in Class Engineering Scholarship 2018

INTERESTS

Badminton • Judo • Cooking • Coffee Brewing