

Zeqi Cui

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Experience

Google, Software Engineer

Sunnyvale, CA (Sep 2020 – Present)

- *Data Understanding*: Built infra/services to support detecting data drift across Google's primary storages. Experimented with LLMs for URI groupings.
- *Privacy & Data Protection*: Streamlined infra/apps for privacy review. Landed comments feature critical for 700+ privacy assessments across all products.

Google, Software Engineering Intern

Sunnyvale, CA (Sep 2019 – Dec 2019)

- Redesigned replication and load balancing services on a distributed data processing system that handles petabytes of user data daily within Ads.
- New pipeline achieved 1.5x performance on 10x less memory.

Stride, Co-Founder & Engineer

Waterloo, ON (Oct 2016 – Sep 2019)

- At Stride, we leveraged computer vision and machine learning to collect patient data in a cost-effective way for rehabilitation specialists across the Greater Toronto area. Lead engineering team of 6. @Velocity Incubator.

Google, Software Engineering Intern

Waterloo, ON (Sep 2018 - Dec 2018)

- Focused on improving performance and testing on the Gmail EngProd team.
- Sandboxed the Gmail stack for hermetic testing; developed metric processing and web tracing for Gmail latency and explored effects of replaying RPCs.

Microsoft, Software Engineering Intern

Seattle, WA (Jan 2018 - Apr 2018)

- Delivered a high-performance Apache Spark to SQL Database connector on the Azure SQL Data Team, achieving 15x write speeds vs. the Spark default.
- Integrated sync agents in contained SQL databases for IOT Edge devices.

TheScore, Software Engineering Intern

Toronto, ON (May 2017 – Aug 2017)

- Improved Elasticsearch, GraphQL and REST APIs by exposing multiple game statuses for client-side and increased query efficiency for handling 5M+ MAU.

Projects

MapBot, Computer Engineering Capstone Design Project, 2020

- A drone used for search and rescue. Connected to streaming compute servers to construct a semi-dense point cloud map (LSD-SLAM) for 3D reconstruction.

NeuroGate, 1st place in Imagine Cup Canada, 4th in Finals, 2017

- Mentioned by [TechCrunch](#), [BetaKit](#) and [WaterlooChronicle](#).

Education

University of Waterloo
Computer Engineering
(BASc) - 2020

Skills

Java, C++,
Python, Scala

Spark
Hadoop
Kafka
Docker
Elasticsearch
PyTorch
TensorFlow

Tools

Git, SVN
Jira, Asana

AWS, Azure
Google Cloud

Relevant Courses

Algorithms & D.S.
Applied A.I.
Compilers
Computer Security

Computer Networks
Database Systems
Distributed Computing
OS & Systems
Performance Computing