

# Zeqi Cui

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## Experience

### Google, Software Engineer

Sunnyvale, CA (Sep 2020 - Present)

- **Data Understanding:** Building infra, services and conducting LLM experiments to support detecting data drift across Google products' primary user storages.
- Lead for drift config. Source-of-truth for flagging and mapping in-scope URLs for the drift detection pipeline. Mentored and led a junior engineer to promotion.
- **Privacy & Data Protection:** Streamlined infra and 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 Core and Ads.
- New replication 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. Led engineering team of 6 at 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)

### Blackberry, Applications Developer Intern

Waterloo, ON (Sep 2016 - Dec 2016)

### Dynacare, Software Developer Intern

Toronto, ON (Jan 2016 - Apr 2016)

## 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, 1<sup>st</sup> place in Imagine Cup Canada, 4<sup>th</sup> in Finals, 2017

- Used ML/Kinect for detecting gait abnormalities in neurodegenerative patients. Mentioned by [TechCrunch](#), [BetaKit](#) and [WaterlooChronicle](#).

## Education

University of Waterloo  
Computer Engineering  
(BASC) - 2020

## Skills

Java, C++, Go  
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

## Interests

Classic American Cars  
Snowboarding  
Indie concerts