

Zeqi Cui

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Education

University of Waterloo
B. Applied Sciences, Computer Engineering

Waterloo, ON
Sept 2015 - Apr 2020

Experience

Meta · Software Engineer IC5 New York, NY · Jan 2024 - Present

- *FB emerging verticals*: ML and infra for rankings and authenticity.

Google · Software Engineer Mountain View, CA · Sept 2020 - Dec 2023

- *Data Understanding*: Built infra, services and applied ML / LLM experiments to support detecting data drift across Google's primary user storages. Lead efforts in drift config: source-of-truth for flagging and mapping in-scope URLs for the drift detection pipeline. Mentored and led a junior engineer.
- *Privacy & Data Protection*: Streamlined infra and apps for privacy review. Landed commenting feature critical for 700+ privacy assessments across every Google product.

Google · Software Engineering Intern Mountain View, CA · Sept 2019 - Dec 2019

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

Stride AI · Co-Founder & CTO Waterloo, ON · Oct 2016 - Sept 2019

- At Stride, we leveraged machine learning and computer vision 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 · Sept 2018 - Dec 2018

- Focused on improving performance and testing on the Gmail team. Sandboxed the Gmail stack, 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 Azure SQL DB connector on the Azure Data Team, achieving 15x write speeds vs. Spark JDBC. 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 · Sept 2016 - Dec 2016

Dynacare, Software Developer Intern Toronto, ON · Jan 2016 - Apr 2016

Projects

MapBot, 2020 Computer Engineering Capstone Design Project

- 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 of the terrain.

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

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