

# Zeqi Cui

cuizeqi@gmail.com · linkedin.com/in/zeqicui · zeqicui.github.io

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## Experience

Meta · Tech Lead, Software Engineer

New York, NY · Jan 2024 - Present

- *Facebook Verticals*: ML and infrastructure for authenticity and rankings. TL-ing ML and detection efforts for FB Dating Integrity [6 ppl]. Drove internal research on measuring prevalence and detection opportunities while mentoring Eng ICs and Data Scientists. Identified detection gaps, proposed designs, aligned cross-functional teams and planned roadmaps with considerations between opportunity size and eng effort. Ultimately reaching the team's stretch goal of decreasing viewership of both scam and inauthentic users by 70%.
- As an IC, led multiple efforts to improve realtime-ness for all scam heuristic signals and inference scores by multi-layer caching (~40M QPS). Reduced reports by 35%, resulting in the largest impact team-wide in 2024.

Google · Software Engineer

Mountain View, CA · Sept 2020 - Dec 2023

- *Data Understanding*: Built infrastructure, services and applied ML / LLM experiments to support detecting data drift across Google's primary user storages. Led efforts in drift config: source-of-truth for flagging and mapping in-scope URIs for the drift detection pipeline. Mentored and led junior engineers.
- *Privacy & Data Protection*: Streamlined infrastructure 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 an open-source [Apache Spark to SQL DB connector](#) on the Azure Data Team, achieving 15x write speeds vs. JDBC. Developed POC sync agents in contained SQL databases for IOT Edge devices.
- Spent the last month learning/operating as a PM after landing 2 SWE projects with a month left in internship.

TheScore (acq. Penn Entertainment), Software Developer Intern

Toronto, ON · May 2017 - Aug 2017

Blackberry, Software Developer Intern

Waterloo, ON · Sept 2016 - Dec 2016

Dynacare, Software Developer Intern

Toronto, ON · Jan 2016 - Apr 2016

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## Education

University of Waterloo

Waterloo, ON

Bachelors of Applied Sciences, Computer Engineering

Sept 2015 - Apr 2020

Projects: NeuroGate, 1<sup>st</sup> place in 2017 ImagineCup Canada, [4<sup>th</sup> place in Finals](#)

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