Maggie Zhou

emmbeezee@gmail.com
zmagg.com

Work Experience

Slack Technologies

Staff Software Engineer	*Feb 2019 - present*
Senior Software Engineer	*July 2017 - Feb 2019*

- Co-tech lead of the Vitess core team responsible for both migrating Slack onto Vitess and changes to the Vitess system needed for adoption. Led the team while traffic on the Vitess cluster 10x'd in 18 months due to both business growth and migrations.
- Projects directly responsible for: Steered and coached application engineers in migrating their tables to Vitess. Resharded and moved channel memberships, a core part of the Slack data model responsible for 20% of all database traffic and necessary for boot and message sending. A case study is in: *Refactoring at Scale*
- Vitess open source committer.

Etsy

Senior Software Engineer	*Nov 2015 - July 2017*
Software Engineer	*Dec 2013 - Nov 2015*

- Technical lead of a five engineer team that migrated orders data to a new datastore while ensuring high-availability for checkout.
- Redesigned our database sharding architecture. As a team of four, we reduced a 2 months/year operations task to 1 week/year and stopped routine maintenance from locking sellers out from Etsy. I gave a talk [link] at ScaleConf 2015 and Percona 2015.
- Member of the Architecture Review Working group, responsible for steering Etsy's collective technical decision making, with an emphasis on continuous learning. I gave a talk [link] OSCON Amsterdam 2015.
- Member of a web infrastructure team responsible for development, operations, and performance of Etsy's web production software. Smaller projects included: designed an active cache invalidation system, standardized the DSL of the internal API framework, engineered our Graphite/StatsD metrics collection to be resilient to traffic spikes.

Google   *Aug 2011 - June 2013*

Commerce, Software Engineer

- Full stack (JavaScript/Java/map reduce/on-call) web development for new product launch.
- Converted a prototype of an experimental logistic regression forecasting engine for Offers sales to a full deployment serving 3 clients.

Education

Recurse Center   *Summer 2013*
University of North Carolina at Chapel Hill   *2007 - 2011*

B.S. with Honors in Computer Science