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**WORK
EXPERIENCE**

Anyscale Ray Core Team

August 2021 - Present
San Francisco, CA

Tech Lead Manager

- Senior Ray committer with 600+ commits
- Rebuilt the Ray Core team, growing it from the group up to over 15 members across multiple continents
- Led and contributed to various Ray Core improvements across stability, scalability, performance, observability and usability such as improving Ray Core scalability from 4k nodes to 12k nodes, making Ray Core fault tolerant to node and network failures and supporting label-based scheduling

LinkedIn Distributed Graph Team

February 2016 - August 2021
Sunnyvale, CA

Staff Software Engineer

- Work on the next generation graph database LIquid that supports the entire LinkedIn economic graph with millions of QPS and sub-second latency:
<https://engineering.linkedin.com/blog/2020/liquid-the-soul-of-a-new-graph-database-part-1>
- Work on the entire stack of the system: storage, query evaluation and frontend
- Leading a group of two people on the traffic migration project: migrate all client traffic to the frontend API seamlessly
- Working on the declarative query evaluation project: distributed, dynamic and declarative query evaluation engine using Prolog
- Led a group of four people on the frontend API project: launched the only external RESTful API used by all clients with ACL, quota and monitoring features
- Led the third-party graph project: launched the first third-party LIquid instance through collaboration with a cross-org client team
- Led the imperative query evaluation project: served 100% LIquid traffic with an imperative query language and an imperative query evaluation engine
- Designed and developed index parallel optimization: optimize running database indexes with no downtime

Qiduo Information Technology Co., Ltd.

July 2012 - July 2014
Beijing, P.R. China

Software Engineer, Founding member

- Full stack developer
- Developed a cloud-based new email checking and notification system that served >100K users
- Developed an Android email app LightMail that supports POP3 and IMAP

**RESEARCH
EXPERIENCE**

Nanjing University

May 2011 - May 2012
Nanjing, P.R. China

Undergraduate Research Assistant

- Applied data mining related techniques to solve the user cold start problem for e-commerce websites using search keywords

EDUCATION

Carnegie Mellon University, Pittsburgh, PA

December 2015

School of Computer Science, Master of Computational Data Science

GPA 4.03/4.0

- Took classes in compiler, operating system, distributed system, network, storage
- Designed and developed a kernel that supports paging, multitasking and system calls
- Designed and developed a compiler for the L4 programming language with various optimizations: CSE, function inlining, constant folding, constant propagation, dead code elimination, etc

Nanjing University, Nanjing, P.R. China

June 2013

School of Software Engineering, Bachelor of Engineering

GPA 90.2/100

SKILLS

Programming Languages:
Operating System:

C++, Python, Java, Rust, PHP, JavaScript
Linux