

# Thomas Feng

VP of Engineering, Iluvatar CoreX  
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## WORK EXPERIENCES

### VP of Engineering, Iluvatar CoreX

2019 – now

The AI platform of this billion-dollar series-C startup supports elastic resource allocation for GPGPU-accelerated model training on a private cloud.

- Reporting to the CEO; managing 1 VPE and 4 Directors in the software department.
- Since 2019, grew the team from 50 to 160 in SF Bay Area and cities of China.
- Collaborate cross-functionally to define products, strategy, roadmap, KPI and processes.
- Lead architectural design of microservices and CUDA-compatible system software.
- Onboarded applications of 20 enterprise customers; achieved performance near nVidia V100 in face recognition and NLP with Tensorflow and PyTorch.

### VP of Engineering, Neighborly Corp.

2017 – 2019

Neighborly is an SF-based fintech startup providing online municipal bond trading tools and daily bond analysis & recommendations.

- Reported to the CEO and managed 30 engineers (frontend, backend, data, infrastructure).
- Collaborated with bond underwriters, traders and investors to design the software product.
- Led the team to build an online trading platform for 20k users and \$800M total investment.
- Applied blockchain to bond issuance in compliance with SEC regulations; supported trading within seconds on the chain.
- Designed a data platform on AWS to analyze 50k bonds every day, generating recommendations for 3 in-house traders and 5 financial firms.

### Sr. Manager, Uber Technologies

2016 – 2017

Managed the Rider team (40 engineers) and the Core Services team (40 engineers).

- Revamped Rider app on iOS and Android.
- Built new services for user profiles and rides; migrated the backend from Python to Go.

### Sr. Manager and Architect, LinkedIn Corp.

2010 – 2016

As a founding engineer on Company Profiles, built the team of 40 engineers from ground up.

- Developed the company ecosystem (desktop/mobile company pages, company followers, admin tools, careers, promoted contents, analytics and public API).
- Architected backend services to support millions of companies, millions of job postings, billions of company followers, and 200K QPS network traffic.
- Led horizontal initiatives on architectural redesign, engineering productivity tools, site-speed improvement, and SEO.

### Sr. Engineer, Oracle Corp.

2009 – 2010

Participated in the design and implementation of a new PL/SQL compiler for Oracle DB.

## EDUCATION

Ph.D., Electrical Engineering and Computer Sciences, U.C. Berkeley, USA.	2009
M.Sc., Computer Science, McGill University, Montréal, Canada.	2004
B.Sc., Computer Science and Technology, Nanjing University, Nanjing, China.	2002

## LANGUAGES

Cantonese (native), Chinese Mandarin (native), English (near native)

## PATENTS

- 2020. Techniques for Facilitating Content Retargeting, US 10,600,087.
- 2019. Generating Company Profiles Based on Member Data, US 10,445,701.
- 2019. Automatic Initiation for Generating a Company Profile, US 10,354,339.
- 2019. Message Pipeline for Suggesting Audiences of Third-Party Published Articles, US 10,230,775.
- 2018. Crowdsourcing Entity Information, US 10,009,440.
- 2017. Organization Targeted Status Updates, US 9,787,797.
- 2013. System and Method for Time-Aware Run-Time to Guarantee Time, US 8,424,005.
- 2011. Distributed Fault-Tolerant and Highly Available Computing System, US 7,937,618.