



Tao Ren

CONTACT

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<https://touren.github.io>

HIGHLIGHTS

- A technology enthusiast with **19 years** architecting & building software solutions.
- Built an iOS App Elsewhere, a video meme app having **2K DAU**.
- Established a DevOps architecture **REST** in **SWARM**.
- Cofounded two companies, focusing on **Video Live Streaming**, in China.

WORK EXPERIENCE

SENIOR SOFTWARE ENGINEER @ SWARM NYC

October 2015 – till date

Helped SWARM's clients to build their products from an idea to a robust, scalable, high quality mobile, web, OTT and wearable digital product.

Built an iOS App Elsewhere, a video meme App having **2K DAU**, for **Advance Media Group**.

Established a CI / CD pipelines architecture REST as SWARM's standard DevOps process.

Built the Bumper system for **Cargill**, the biggest agriculture company in US, providing farmers live weather map, agriculture related news, crops features prices and a game regarding.

Mentored interns to fit in SWARM's development processes and upgrade SWARM's own product Ludlow, Cats TV.

Built a live video talk show app on iOS, using WebRTC & Kurento Server.

Built couple of Android Apps: Emojiface, **CBS** Game Day Live, 3GWatchdog,

CTO @ GUANGDONG LINKDOM TECH., CHINA

September 2007 – March 2014

Focused on Surveillance Camera, Smart Home and Video Live Streaming.

Designed and developed an online instant-video-alarm & surveillance platform, specified to any kind of Smart Phones.

Designed and manufactured a customised IP camera (AE-365)

Built a Live/Pre-Recorded Video Program playing & recording platform for HKSTV, a satellite TV Company registered in Hong Kong.

Built an online surveillance system for Watsons, a pure water manufacturer in Guangzhou.

SYSTEM ANALYSER @ GUANGZHOU TIANHE SIGMA-DATAS TECH., CHINA

November 2001 – July 2007

Analysed business model to meet the user's needs and built use case model

Designed user interface, software functions, and data model

Build a realtime collaboration application, Co-up, including IM, file sharing, white board, helping people work efficiently and remotely.

SOFTWARE PROGRAMMER @ LONGZHI TECH., CHINA

July 2000 – September 2001

Designed and coded project Jabber Instant Message on Palm OS

Designed and coded project Radius Remote Authentication

EDUCATION

QUEENS COLLEGE, THE CITY UNIVERSITY OF NEW YORK,
UNITED STATES

Master of Arts: August 2014 - May 2016
Major: Computer Science

SUN YAT-SEN UNIVERSITY, GUANGZHOU, CHINA

Bachelor of Science: September 1996 - July 2000
Major: Computer and Application

OTHER

2003, Found Guangzhou Software Process Improvement Network (NPO).

SKILLS

Languages:

English, Cantonese, Mandarin

Programming Languages:

JavaScript, TypeScript, Swift, Objective C, Kotlin, Java, C, C++

Multi-Media Streaming:

H.263, H.264, MPEG4, 3GP, G726, RTSP, HLS, Flash FLV

Databases:

MySQL, Hibernate, Mongo DB.