



Tao Ren

CONTACT

929 - 231 - 5777

touren.gz@gmail.com

BLOG

<https://touren.github.io>

HIGHLIGHTS

- A technology enthusiast with **19 years** architecting & building software solutions.
- Experienced building high profile iOS and Android apps with over **250,000** active installs.
- Established Backend & DevOps **Architecture** at SWARM.
- **Co-Founded** a **Video Live Streaming** startup, in China.

WORK EXPERIENCE

SENIOR SOFTWARE ENGINEER @ SWARM

October 2015 - now

Tech: iOS, Android, Swift, Java, Kotlin, Node.js, Typescript, Angular.js, WebRTC, C++.

Turned ideas from SWARM's clients into robust, scalable, high quality mobile, web, OTT or wearable digital products.

Launched "Elsewhere", a video meme editor, and helped it to grow to over 250,000 active installs for **Conde Nast**.

Architected and built "Bumper" app for **Cargill**, the largest privately held company in the world, providing farmers live weather map, agriculture news, commodity prices and a live trading game.

Defined standards and architecture for all Backend applications at SWARM. Created DevOps (CI / CD) processes. Mentored junior engineers in adopting SWARM processes.

Contributed to SWARM's internal products including Ludlow, Varick (Devie Award Winner), Cats TV.

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

CTO @ GUANGDONG LINKDOM TECH., CHINA

September 2007 – March 2014

Tech: Video Live Streaming, ucLinux, C, Java, Tomcat, MySQL.

Co-founded a surveillance, smart home and video live streaming startup and grew it to over 40 employees.

Designed and developed an online instant-video-alarm & surveillance platform for iOS and Android.

Designed and manufactured a customized IP camera (AE-365).

Built a live & on-demand video streaming & recording platform for HKSTV to deliver a satellite video stream to all of mainland China.

SYSTEMS ANALYST @ GUANGZHOU TIANHE SIGMA-DATAS TECH., CHINA

November 2001 – July 2007

Tech: C++, Rational Rose, MFC.

Designed and Implemented a collaboration platform, Co-Up, as a product for the company. This product included IM, File Sharing and White Board, long before these became part of our everyday lives.

As a System Analyst, I designed User Interface, defined product and build data models as well as implemented the solution in a team of 20.

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

Other:

MySQL, Hibernate, Mongo DB, AWS, Azure.