

## Resume

Name	Cai yichang	Nationality	Singaporean	HP	81827159
Email	cai732633@hotmail.com	Education	Master degree	DOB & POB:	1985.12 in China

### Professional Highlights

Over 10 yrs of software development experiences for various type of systems. Strong team cooperation spirit, good communication skills and logical thinking abilities. Fast system/tech hands on skills and team planning and management skills.

### Work Experience

#### 2018.8 - Present

##### Software Development Team Lead, YITU Tech (Singapore)

Build and plan Singapore product globalization team for regional market. Team lead for SG software development team.

Conduct oversea market product development and provide project software customization component development. Lead the YITU first cloud data center development. Work closely with HQ for project delivery timeline and product development planning. Focus on back-end software development, use java spring/spring boot framework to build web programs, widely use Kafka, MySQL, mongo, Redis, tomcat, nginx for web application development. Use Golang/python for minor project development. Use Agile mode, CI/CD Jira, Git, docker/K8s for software integration, deployment and testing.

#### 2010.10-2018.8

##### Software engineer/Senior Software Engineer/Team Lead, Public Safety Business Unit, NEC Asia Pacific (Singapore) Pte Ltd

Worked as a software engineer to develop biometric security product used C++, java and C# such as facial door access control system, static facial image search system and other biometric security system.

In 2014.Promoted to become Senior Software Engineer. In year 2017, worked as a team lead to develop a video facial recognition system which include multiple core components such as video encoder, face processor, data processor and alert manager and support multi-cameras and multi sites facial surveillance usage. The product is later been treated as one of the key sale products in company.

Widely used tech stacks: Java spring/spring boot, MSSql, C++, c#, windows service, MySQL.

#### 2008.8-2010.10

##### R&D engineer, XID technology Pte, Ltd, Singapore

Focus on facial recognition algorithm optimization and enhancement at first year. Worked as a software engineer for facial door access control system development used C++ language.

### Professional Skills

(Strong) Java (Spring boot/cloud), c#;

(Strong) Opensource Components (Kafka, Elasticsearch, Spark, Hadoop)

(Strong) DB (Mongo, Mysql,Redis,postgresql, Oracle )

(Strong) Devops Tool (CI/CD, Jenkins, JIRA, Agile, Sprint, Git)

(Strong) Kubernetes/docker; (Strong) Microsoft Azure/AWS;  
(Well) C++, Python & Go;

## **Education**

**2007.7-2008.7**

**Master Degree, EEE School, Signal processing, Nanyang Technological University, Singapore**

Studied the signal processing knowledge, obtained average grade A for all courses. Finished the dissertation of facial recognition algorithm enhancements mentored by prof Jiang Xudong who is the lead prof and early pioneer in NTU on machine learning and pattern recognition.

**2003.9-2007.7**

**Bachelor degree of electronic engineering (Signal Automation), Nanjing University of Posts and Telecommunication, Nanjing, China**

Obtained average grade A for all courses studied in NJUPT and awarded scholarship every year. Studied computer science, signal processing and mathematics. Mentor by one of the China's AI pioneer Prof zhang zhiyong to finish a research topic of robot automation algorithm, who lead the university team to win the china auto robot competition champion in 3 consecutive years.