

# **Zack Zhao**

450 North Mathilda Avenue, Sunnyvale, CA, 94085, Tel: (347)288-1745, Email: zz87022n@pace.edu  
Github: [www.github.com/fyfyzzk](https://github.com/fyfyzzk), LinkedIn: [www.linkedin.com/in/zhenkang-zhao-b9404134](https://www.linkedin.com/in/zhenkang-zhao-b9404134)

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## **EDUCATION**

Pace University, Computer Science master's degree, GPA 3.97      Graduated on December 2016  
Guangxi University, Bachelor of Science      Graduated on July 2008

## **SUMMARY OF QUALIFICATION**

- Proven software development and leadership skills
- Successful collaboration with clients and colleagues
- Strong problem solver and highly responsible, always take ownership of full development cycle

## **EXPERIENCE**

**Software Engineer, Tax1on1 Inc, Sunnyvale, CA    Mar, 2017 Present**

Working on Tax1on1 Official Account (Facebook public page-like) development

- Developed custom-defined menus, homepage and added link to tax1on1 question and answer website, generated 21% more average number of visits per day on Q&A website
- Build up article publication, user msg auto reply and access token updates service on backend
- Applied Promise, Generator to improve maintainability and readability

Skills: Node.JS, Koa, MongoDB, HTML, CSS, JavaScript, ECMAScript 2015, XML, Git

**Graduate Assistant, Robotic Lab, Pace University, New York, NY    Mar.2016 Dec.2016**

worked on object detection sub system in a robotic car project

- Implemented video frames capture function, applied Background Subtraction to do preprocess
- Implemented frames difference detection using cascade classifiers and feature detectors
- Applied CUDA to improve efficiency of detection in massive moving objects by 17%

Skills: C++, OpenCV, CUDA Parallel Programming, Linux, Git

**Software Engineer, Shaanxi Lehua Technology Co., Shaanxi, China    Oct.2013 Mar.2015**

worked on Catalog sub systems in a VOD (video on demand) distributed system

- Contributed to Catalog Manager system, designed user roles and permissions, implemented video sources import, update, video pages generation, edit and review functions
- Developed Catalog Display system, implemented video play, purchase, history and guide
- Implemented synchronization between Catalog Manager and multiple Catalog Display servers

Skill: Java, JSP, Servlet, JavaBean, JDBC, Struts, XML, Oracle9i Database, HTML, CSS, JavaScript, Easy UI, SAX, Tomcat, MyEclipse, SVN

**Software Engineer&Project Leader, Unionman Technology Co, China    Sep, 2010 Jun, 2013**

Refactored, redesigned, implemented and lead team to develop multiple application software on TV set top box (Linux ARM platform)

- Contributed to refactor GUI system, fixed architectural defects, decoupled model from controller, improved the portability and reduced development cycle time by 22%
- Collaborate with teammates to redesign ADV module using Polymorphism and Abstraction concepts, enhanced maintainability, readability and reduced development time by 30%
- Led team of six in Heilongjiang TV project, optimized key valuation parameters and generated one million orders, became the 1st providers that year

Skills: C, XML, DVB-C protocol analysis, Pthread Multi-Threading, Linux, ARM, SVN

## **TECHNOLOGY SKILLS**

Language: C, Java, JavaScript, C++, HTML, CSS

Framework & Library: Node.JS, Koa, Java EE, Struts, OpenCV, CUDA

Knowledge: Distributed System, OOP, Muti-Threading, MVC, XML, SVN, Git(GitHub)

DataBase: Oracle Database, MongoDB