Zack Zhao

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SUMMARY

- Proven software development (4 years+ working experiences) and leadership skills(nearly 1 year)
- Successful collaboration with colleagues and clients
- Strong problem solver and highly responsible, always take ownership of full development cycle

TECHNOLOGY SKILLS

Language: JavaScript, C, C++, HTML, CSS
Framework: Node.js, Express.js, Koa.js, Angular.js, MongoDB, Redis, OpenCV, CUDA
Database: MongoDB, MySQL
Tools: Docker, Nginx, IntelliJ, Git, SVN

RELATED WORK EXPERIENCE

Software Engineer, Tax1on1 Inc, Sunnyvale, CA   Mar, 2017 Present
Working on Tax1on1 Official Account development based on WeChat Platform
- Developed Tax1on1 Official Account with subscription response, searching, further
  information functions etc, generated 21% more average visitors per day on Q&A website
- Applied Koa.js framework with Promise, Generator to improve maintainability and readability
Skills: Node.JS, Koa.js, MongoDB, HTML, CSS, JavaScript(ES6), XML, JSON, Git, REST

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 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&Project Leader, Unionman Technology Co, China   Sep, 2010 Jun, 2013
Refactored, redesigned, implemented and led team to develop multiple application software
projects on TV set top box (Linux ARM embedded software platform)
- Contributed to refactor GUI system, ADV module, fixed architecture defects, improved
  availability, reliability and reduced ADV development cycle 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, MVC, DVB-C protocol analysis, Pthread Multi-Threading, Linux, ARM, SVN

PROJECTS

TinyURL (URL shortener) Service:
- Built a web server using MEAN stack (MongoDB, Express, Angular.js and Node.js)
- Employed Redis as cache database and Nginx as reverse proxy server and load balancer
- Dockerized the server and ran multiple instances of it
Skills: JavaScript, Node.js, Express.js, Angular.js, MongoDB, Docker, Nginx, Redis, Git, IntelliJ

EDUCATION

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