

# Yunwei Qiu(Andy)

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## OBJECTIVE

To pursue an internship position at software engineering or web development in summer 2016

## EDUCATION

**University of Southern California (LA,CA)**

**05/2017**

Master of Science in Computer Science

**International College, Zhejiang University of Technology (ZJUT, China) & University of Tasmania (UTas, AU)**

**06/2015**

Bachelor of Engineering, major in Computer Science and Technology (ZJUT) and Bachelor of Computing (UTas) **GPA: 3.6 Rank: 3/92**

National Scholarship (2014), Provincial Outstanding Graduate (2015), 1st Class Scholarship of ZJUT (2014 and 2013)

## TECHNICAL SKILLS

**Programming Language:** Proficient in JAVA, C++, PHP, JavaScript, HTML5, CSS, JQuery Mobile and MySQL(Oracle)

Experienced in OpenGL, OpenCV, Bourne Shell scripting

**Applications:** Eclipse, MS Visual Studio, Dreamweaver, StarUML, Matlab, MS office

## PROJECT EXPERIENCE

**Developer, Notification Push Web Application (ZJUT)**

**12/2014-06/2015**

*The project funded by ZJUT which implemented a notification push WebApplication to push queuing notification and message to user's mobile*

- Used REST technology to implement data transfer from Cloud server to REST client actively when the data have been changed
- Used Push Service API provided by Baidu to implement notification and message push to user's mobile
- Web application implemented using JQuery Mobile technology & HTML 5 based on PhoneGap framework using JavaScript, CSS and Ajax

**Leader, 5 member team, Intelligent Transportation Detection System for Monitoring Traffic Violations (ZJUT)**

**05/2013-05/2014**

*Funded by National Innovation Experimental Program for College Students, 1st title of ZJUT Extracurricular Scientific Contest*

- Took in charge of subject establishment, member recruitment, work assignment, schedule planning
- Used Haar training in OpenCV to implement Face Recognition and hands gesture Recognition
- Developed linear fitting algorithm to detect seat belts
- Mastered computer graphics and digital image processing such as Image Binarization, Region of Interest (ROI) extraction and denoising algorithm like median filtering

**Leader, Geo Cache Community Project (ZJUT)**

**12/2013-02/2014**

*Professional ICT management course Assignment*

- Worked as a team to interview our project client, initiated and planed a project for the client by collecting and analyzing data to complete industry templates
- Completed some tasks such as Project Brief and Business Case Requirements Document, The Requirements Trace Matrix (RTM) and Risk Log, Budget and Schedule
- Design a real website according to RTM and finally deliver a presentation

## WORK EXPERIENCE

**Intern Test Engineer, Information Management Department, Foxconn Group Co., Ltd**

**05/2014-08/2014**

- Used PHP, JavaScript and MYSQL to assist develop the social security and insurance management module system
- Determined test cases according to terminal test standard, established the cases in Test Director
- Wrote test plans, planned detailed test scheme, implemented test cases, confirmed defects and gave feedback
- Constructed and maintained the test environment, completed script recording of functional test and test cases performance

## PUBLICATION AND PATENT

**Yunwei Qiu, Jian Pan, Ning Zhou and Yufeng Wang**

**Drivers' Seat Belts Detection at Crossroads Based on OpenCV**

*Published in Applied Mechanics and Materials Vols. 556-562 (2014) pp 2996-3000 © (2014) Trans Tech Publications, Switzerland*

**Yunwei Qiu, JianPan, KaijunGao, Qianfeng Zhu, NingZhou**

**Intelligent Transportation Detection System for Monitoring Traffic Violations V1.0**

*Patent: Computer Software Copyrights Registration No.2014SR128093, NCAC, 08/2014*