（Todd）ZHENGTAO LI

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OBJECTIVE	**Acquire an internship in software engineering, develop industry experience and perspective**

EDUCATION
Jan 2017 – Fall 2018 (expected) **B.S. in Computer Engineering and Computer Science,** USC

RESEARCH EXPERIENCE

USC NETWORKED SYSTEM Lab *Feb. 2017 - present*
Lab Research Assistant *USC, Los Angeles*
- Worked directly with Ph.D. Fellows of Professor Ramesh Govidan on augmented vehicle vision
- Completed single person project in augmented reality using ZED depth sensing camera SDK
- Developed the project with 3D OpenGL, canny Edge and matrix transformation to mimic reality
- Participated weekly in discussions with Ph.D. fellows in network industry update and progress

RELEVANT COURSE

CSCI 360 Artificial Intelligence
CSCI 353 Computer Networks
CSCI 201 Software Development
CSCI 207 Algorithms

EE 354 Digital/Circuit Design
EE 457 Computer System Organization
CSCI 104 Data Structures

INDUSTRY EXPERIENCE

UWAY TECHNOLOGY *May – Aug. 2016*
Software Engineer assistant and ETC Camera hardware logging, testing *Hangzhou, China*
- Participated in Scrum software development process including daily scrum and sprint review
- Familiarized in software development and hardware SDK utilizing image recognition
- Collected and Analyzed log messages information during field testing of ETC camera

SUNWAVE SOLUTIONS *May – Aug. 2015*
Hardware consultant and testing *Vancouver, Canada*
- Learned hardware development process of indoor signal coverage unit of indoor signal coverage
- Investigated in ultra-low power consumption unit, monitoring system stability
- Worked as a hardware consultant in Asia Communication exposition in Singapore

CLASS PROJECT

Writing Recognition Using Artificial Intelligence *Aug – Dec. 2017*
Successfully achieved above 84.35% accuracy *USC, Los Angeles*
- Developed number recognition using C++ with MINIST 50,000 training and 10,000 testing sets
- Trained data with Bayesian classifier based on probability of each pixel in all training sets
- Optimized with C++ pointer structure and unsigned double to improve speed and accuracy

Object Oriented JavaScript Based Website *Jan – May. 2017*
Received A+ in project grade *USC, Los Angeles*
- Worked in a team of four and implement the following features with html, MySQL, JavaScript
- Built administrator level insert, delete, update, and user level search, review, and "like"
- Built user account system, administrator level account system and chatting, recommendation system

TECHNICAL SKILLS

Computer language:
C/ C++
Python
Java/ C#
My SQL / HTML /JavaScript
Hardware: FPGA Board

Technical:
Artificial Intelligence
Computer Networks
Databases
Large-scale software development
Object-oriented programming