

Chiao Fu

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Education

University of California, San Diego (UCSD)

San Diego, USA

M.S. IN COMPUTER SCIENCE AND ENGINEERING

Sep. 2016 - Exp. Apr. 2018

- Course: Software Engineering, Computer Vision, Database System

National Taiwan University (NTU)

Taipei, Taiwan

B.S. IN COMPUTER SCIENCE AND INFORMATION ENGINEERING

Sep. 2011 - Jun. 2016

- Double major in Economics
- Mobile and Vehicular Network Laboratory, Software Engineering Laboratory

Work Experience

Network Administration Team, CSIE, NTU

Taipei, Taiwan

ADMINISTRATIVE TEAM LEADER

Sep. 2015 - Jun. 2016

- Assisted in managing and improving the network environment of CSIE building in NTU
- Hosted weekly meetings with total 4 teams: wired network service, wireless network service, firewall service, and IP service with more than 20 people
- Served as administrative assistant of Network Administration and System Administration (NASA) course in NTU

Mediatek

Hsinchu, Taiwan

SOFTWARE ENGINEERING INTERN

Jul. 2015 - Aug. 2015

- Developed an automatic testing system for Android TV with user-friendly web interface
- Implemented with UNIX shell scripting and JavaScript skills

Project Experience

LightBib: Marathoner Recognition System with Visible Light Communication

Taipei, Taiwan

TEAM LEADER

Sep. 2015 - Dec. 2015

- Built a novel marathoner recognition system which is more cost-efficient than existing methods
- With average recall of 90% to automatically identify each of the 5 runners in a single image in a wide range of scenarios
- Implemented the communication system from zero with Arduino and openCV skills

To Pass or Not To Pass: Visible Light Communications between Vehicle and Traffic Signal

Taipei, Taiwan

CORE MEMBER

Apr. 2015 - Aug. 2015

- Successfully implemented the Green Light Optimal Speed Advisory (GLOSA) algorithm, providing drivers the most optimal speed when passing the traffic light
- Built the whole system including a car and a traffic light in miniature with Arduino and C++ skills
- Won Finalist Certificate in 2015 TECO Green Tech Contest

Skills

Programming Language C/C++, JAVA, Python, Matlab, UNIX shell scripting

Software Eclipse, Android Studio, Arduino, Autocad, openCV, Visual Studio, \LaTeX

Knowledge Object-Oriented Programming, Design Patterns

Transferable Skill Being a team player, Quick learner, Time management, Decision-making, Problem-solving, Unafraid of failure

Language fluent English, native Mandarin

Publication

IEEE International Conference on Internet of Things (iThings)

Sydney, Australia

LIGHTBIB: MARATHONER RECOGNITION SYSTEM WITH VISIBLE LIGHT COMMUNICATION, FIRST AUTHOR

Dec. 2015

ACM Workshop on Visible Light Communication Systems (VLCS)

Paris, France

LiBeaMScanner: ACCURATE INDOOR POSITIONING WITH SWEEPING LIGHT BEAM, THIRD AUTHOR

Sep. 2015