

CHUNG YI KAO

Hsinchu Taiwan
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EDUCATION

Master of Computer Science, National Tsing Hua University, Taiwan. Sept. 2015
Bachelor of Computer Science, National Chung Cheng University, Taiwan. Sept. 2013

EXPERIENCE

Senior Software Engineer Mstar Semiconductor Jan. 2016 - Sept. 2016
Hsinchu, Taiwan

- Android smart TV division
- Implement image loader for product line. (Reactive programming)
- Auto translation program for multi-language string table (speed up development)
- Document Android 5.0 system
- EPGs UI design

iOS Development Engineer Industrial Technology Research Institute July 2013 - Sept. 2015
Hsinchu, Taiwan

- Develop client side App(iOS) of Smart Cold Chain Logistics System¹.
- Design a lightweight algorithm of detection about status of container on embedded platform.

Android Development Engineer KerjaDulu Nov. 2014 - July 2015
Taipei, Taiwan

- Develop KerjaDulu App: SQL Lite, UI effect

TECHNICAL SKILLS

- **Program Language:** Python, Java, JavaScript, C++
- **Framework:** Node.js, Jade, Less.js, PhoneGap, Matplotlib, SQL, OpenCV
- **Software Engineering:** UML, Design Pattern, OOP
- **Math:** probability, machine learning
- **English:** TOEIC 840 pts.

HONORS AND AWARDS

Won **Qualcomm award** in Mobileheroes², *Book Finder*³ 2012
Won **Excellent work** in ICT Innovative Services⁴, *Touch Projector*⁵ 2012

PROJECT

- EcoSim: A Smartphone-Based Sensor-Node Simulator with Native Sensor and Protocol-Stack Emulation⁶
- Gesture recognition with IoT platform based on triaxial acceleration⁷ 2015
- use Machine Learning to hack CAPTCHA⁸
- Voice Recognition and Correction⁹

¹Paper <http://www.ece.uci.edu/~chou/pdf/chou-ithings14container2.pdf>

²MobileHeros https://www.mobilehero.com/component/k2/item/209-a2012_11-10.html?Itemid=196

³Book Finder https://www.youtube.com/watch?v=BvLKtrgq_yw

⁴ICT <http://innoserve.tca.org.tw/en/index.aspx>

⁵Touch Projector <https://www.youtube.com/watch?v=nt4eUAXqXyk>

⁶EcoSim <https://www.youtube.com/watch?v=1UUCqf0pjM0>

⁷Gesture recognition <https://www.youtube.com/watch?v=VInyJABrmPo>

⁸Hack CAPTCHA <https://www.youtube.com/watch?v=9ovWzIu1zy8>

⁹Voice Recognition and Correction <https://www.youtube.com/watch?v=xZo-bpWrYlk>