

CHUNG YI KAO

Hsinchu Taiwan
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EDUCATION

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

EXPERIENCE

Senior Software Engineer	Mstar Semiconductor Hsinchu, Taiwan	Jan. 2016 - Sept. 2016
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- 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 Hsinchu, Taiwan	July 2013 - Sept. 2015
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- 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 Taipei, Taiwan	Nov. 2014 - July 2015
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- 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

HONORS AND AWARDS

Won Qualcomm award in Mobileheroes ² , <i>Book Finder</i> ³	2012
Won Excellent work in ICT Innovative Services ⁴ , <i>Touch Projector</i> 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>