

# CHUNG YI KAO

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<https://github.com/backman-git>

## OBJECTIVE & SUMMARY

Seeking a challenging software development opportunity in a diverse environment where innovation and education are valued and encouraged.

Software Engineer with experience in Mobile Application, backend system developing, Android system stack, including system service developing, UI animation, a Simulation application, and auxiliary tools.

## TECHNICAL SKILLS

- **Program Language:** Python, Java, JavaScript, C++
- **Framework:** Android Stack & SDK, Node.js, MongoDB, Jade, Less.js
- **Software Engineering:** UML, Design Pattern, OOP
- **Machine Learning Framework:** Keras, Matplotlib
- **Math:** Statics
- **English:** TOEIC 840 pts.

## EXPERIENCE

<b>Senior Software Engineer</b>	Mstar Semiconductor Hsinchu, Taiwan	Jan. 2016 - Sept. 2016
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- Android smart TV division.
- Smart TV system stack maintenance. (Binder, service)
- Implement image loader for product line. (Reactive programming)
- Auto translation program for multi-language string table (speed up routine task).
- Enhance terminal development.(increase Debugging efficiency)
- UML code injection.(runtime sequence diagram for debugging purpose )

<b>iOS Development Engineer</b>	Industrial Technology Research Institute Hsinchu, Taiwan	July 2013 - Sept. 2015
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- [Develop client side App\(iOS\) of Smart Cold Chain Logistics System.](#)
- Design a lightweight algorithm of detection about status of container on embedded platform.

<b>Android Development Engineer</b>	KerjaDulu Taipei, Taiwan	Nov. 2014 - July 2015
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- [KerjaDulu Human Resource App](#): Project Starter,OOP Design, UI effect, SQLite

## HONORS AND AWARDS

Qualcomm award in <a href="#">MobileHeros</a> , <a href="#">Book Finder</a>	2012
Excellent work in <a href="#">ICT Innovative Services</a> , <a href="#">Touch Projector</a>	2012

## PET PROJECT

- [EcoSim: A Smartphone-Based Sensor-Node Simulator with Native Sensor and Protocol-Stack Emulation](#)
- [Smart Leave ERP system](#)
- [Gesture recognition with IoT platform based on triaxial acceleration](#)
- [use Machine Learning to hack CAPTCHA](#)

## EDUCATION

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