

# CHUNG YI KAO

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backman.only@gmail.com <https://github.com/backman-git>

## SUMMARY

A technophile with the passion of using computer science knowledge to improve the quality of work and life.

## SKILL

- iOS and android app development: java, swift, Objective-C
- full-stack development: node.js, javaScript, SQL, MongoDB
- Keras machine learning framework: Python

## EXPERIENCE

### Mandatory Service

Sept. 2016 - July 2017

Emergency Services Command Center Engineer

Yulin, Taiwan

- Implement the voice-typing system integrated into emergency command system.
- Implement a human resource assistant ERP system and login App.
- Implement a hacking CAPTCHA program.

### Mstar Semiconductor

Jan. 2016 - Sept. 2016

Senior Software Engineer

Hsinchu, Taiwan

- Develop Android system stack of smart TV (Binder, service)
- Implement electronic program guide application.
- Implement an automatic tool for multi-language translation (improve developing efficiency: 5hs to 1s)
- Implement logger.(increase Debugging efficiency)
- UML code injection.(runtime sequence diagram for debugging purpose )

### Industrial Technology Research Institute

July 2013 - Sept. 2015

iOS Development Engineer (Intern)

Hsinchu, Taiwan

- Implement iOS monitor application, logging system, backend System.
- Recognition algorithm of Anti-Theft.

### KerjaDulu

Nov. 2014 - July 2015

Android Deveopment Engineer(part-time)

Taipei, Taiwan

- [KerjaDulu Human Resource App](#): Project Starter, OOP Design, UI effect, SQLite, RESTful API

### Campus library

Nov. 2010 - July 2013

MIS engineer of library services (part-time)

Chaiyi, Taiwan

- Implement Book Finder Android App to search books
- Maintain Library Services and System server

## HONORS AND AWARDS

Qualcomm award in [MobileHeros](#), [Book Finder](#)

2012

Excellent work in [ICT](#) Innovative Services, [Touch Projector](#)

2012

## EDUCATION

Master of Computer Science, National Tsing Hua University, Taiwan.

Sept. 2015

## PET PROJECT

- Smart Leave System (Alternative Military Service) 2017
- 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