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 Android Application and 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

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

- 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)

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

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

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

- KerjaDulu Human Resource App: Project Starter,OOP Design, UI effect, SQLite

HONORS AND AWARDS

Qualcomm award in MobileHeros, *Book Finder* 2012
Excellent work in ICT Innovative Services, *Touch Projector* 2012

PROJECT

- EcoSim: A Smartphone-Based Sensor-Node Simulator with Native Sensor and Protocol-Stack Emulation
- Gesture recognition with IoT platform based on triaxial acceleration 2015
- Voice Recognition and Correction
- use Machine Learning to hack CAPTCHA

EDUCATION

Master of Computer Science, National Tsing Hua University, Taiwan. Sept. 2015