CHUNG YI KAO

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https://github.com/backman-git

SUMMARY

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

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

TECHNICAL SKILLS

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

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
Bachelor of Computer Science, National Chung Cheng University, Taiwan.   Sept. 2013

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