Chen, Kung-Han | Curriculum Vitae

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🐙 https://github.com/kbehouse   🌐 https://kbehouse.github.io

Education

Ph.D. Candidate in Electrical Engineer, Tamkang University   *GPA: 4.0/4.0*

New Taipei City, Taiwan (2012 ~ Now)

Major: Deep Reinforcement Learning and Robotics

Dissertation**:** *Reinforcement Learning Middleware and APIs for Adaptive Robotics*

M.S. in Electrical Engineer, Tamkang University   *GPA: 4.0/4.0*

New Taipei City, Taiwan (2010 ~ 2012)

Thesis: *An Efficient Test Data Compression Scheme Using Selection Expansion*

B.S. in Electrical Engineer, Tamkang University

New Taipei City, Taiwan (2006 ~ 2010)

Experiences

IBM AI Intern   *2017/08~Now*

　　Cloud Service of Deep Reinforcement Learning (DRL)

　　Face Recognition Using VGG-Net+SVM

　　Gripper for Robot Arm and it can link cloud service in Raspeberry Pi

TKU Ph.D. Candidate   *2012/08~Now*

　　Picking Robot, Fire Extinguisher Robot, Mobile Manipulator, Soccer Robot

Innoorz Android Developer   *2011~2013*

　　Yes123, Fareastone MVPN, Zavio IPCam, and PenPower WCXF

Skills

AI

Algorithm: DL, RL, DRL, SVM, Q-learning, DQN, A3C, VGG-Net, AlexNet

Tool: Tensorflow, Keras, Caffe, scikit-learn, Yolo v2 (Darkflow), OpenAI, VizDoom

Web

Backend: Node.js, Python (Django), PHP, MySQL, SQLite, CouchDB, Node-RED

Frontend: React, bootstrap, jQuery, HTML, Javascript, CSS

Robotics

ROS (Robot Operating System), SLAM (Simultaneous Localization and Mapping), Path Planning,

Motor Control, Manipulator Control, Mobile Robot, and Robotic Integration

Programming and Tool

Python, C Like(C, C++, C#), Java, Android, XCode, Unity3D, Embedded (RPi), Verilog, github

Projects

AI

Time	Project Name	Job Title
2017/08 ~ (Now)	*Reinforcement Learning Middleware and APIs for Adaptive Robotics*	Doctor Student (IBM SUR)
2017/08 ~ 2017/09	*Face Recognition Using VGG-Net+SVM*	IBM Intern
2017/03 ~ 2017/04	*Watson Application for TKU's Humanoid Robot*	Doctor Student
2016/10 ~ 2017/07	*Object Detection for ARC (Amazon Robotics Challenge) Using Yolo v2 (DarkNet)*	Captain

Robotics

Time	Project Name	Job Title
2016/10 ~ 2017/07	*Picking Robot for ARC (Amazon Robotics Challenge)*	Captain
2016/03 ~ 2017/03	*Fire Extinguisher Robot for Real Fire*	Project Manager
2014/08 ~ 2017/10	*Mobile Manipulator*	Captain
2013/02 ~ 2015/02	*Soccer Robot*	Captain

APP & Web

Time	Project Name	Job Title
2015/10 ~ 2016/10	*BattleCrush (Unity3D + Web, Game App)*	Hackathon
2016/09 ~ 2016/09	*QGirl (iOS, Game App)*	Case Job
2015/04 ~ 2016/02	*Yes123 (Android, Job Site App)*	Android Engineer
2012/04 ~ 2012/10	*Fareastone MVPN (Android, Group Talk App)*	Android Engineer
2011/12 ~ 2012/03	*Zavio IPCam (Android, IPCam App)*	Android Engineer
2011/06 ~ 2011/08	*PenPower WCX (Android, Business Card App)*	Android Engineer
2011/02 ~ 2011/07	*Catalog Backend System (Web, Backend System for App Upload)*	Web Developer
2010/10 ~ 2011/05	*MypriceMap (Android,Price Comparison App)*	Android Engineer

More Project Detail: https://kbehouse.github.io/projects/