

Juang, Yi-LIN

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INTERNSHIPS

- SUMMER 2017 Cognitive Software Engineering Intern, [China Development Lab, IBM](#)
Trained agent to play table football with reinforcement learning and apply to real-world ABB robot arm. Developed a control system written in Node.js for controlling robot arm thru web.
- WINTER 2016/17 IT Intern, [Center for Free-Electron Laser Science, Germany](#)
Prototyped control system of [AXIS](#) including graphical user interface. Cooperated with foreign research group.
- SUMMER 2016 Software Engineering Intern, [Google Inc.](#)
Member of Chrome OS Video and Camera team. Dealt with fast changing needs. Established cautious attitude towards coding and security mind.

EDUCATION

- 2013 - 2017 National Taiwan University (NTU), *Taiwan*
Major in **Electrical Engineering**. Focus on **Computer Science**
CS GPA: 4.19/4.30. Courses: Network Science, Computer Networks, Machine Learning, Algorithms, Data Structure
- WINTER 2016/17 University of Hamburg (UHH), *Germany*
Exchange student in **Computer Science**
GPA: 3.30/4.00. Courses: Knowledge Processing, Robotics

EXPERIENCE

- 2017 [Octomender, Github Repo Recommender System](#) 📄
Get repo recommendation based on one's GitHub star history. Received **1000+** feedback of the personalized recommendation result. **Selected by Import Python Newsletter**.
Tech: algorithm (c++), web app (python flask, js, html), parallelization (openmp), db (redis, google datastore), deployed on GCP.
- AUG. 2016 [MasterView](#), Hackathon 1st Place
Combined VR device HTC Vive and Microsoft Kinect into a first-person perspective tutoring system. **1st Place** at Hackathon HackNTU Smart Life Area (~100 competitors)
Tech: VR (Vive), motion tracking (Kinect), Unity 3D.
- SPRING 2016 [MakeNTU](#) 📄, Hackathon Founder
Founded the **first campus hardware hackathon** in Taiwan. **Led a 14-person team**. Dealt with school administration, sponsors, tutors. Attracted 100+ makers. Provided four platforms (Arduino, LinkIt ONE, Raspberry Pi, Nvidia TK1), workshops and numerous materials.
- FALL 2015 [Visual Question Answering](#) 📄
Constructed memory networks with CNN image features and word vectors. Reach over 80% correct rate on ImageNet VQA problems. Machine Learning Course Project.
Tech: python (Keras, Tensorflow).

SKILLS

- LANGUAGES Chinese (native), English (TOEFL iBT: 102/120), German (Goethe-Zertifikat B1)
- PROGRAMMING **Main C++**, Python **Experienced JS ES6, HTML5 & CSS3**, Unix Shell Scripting
- OS Linux (Arch Linux), macOS, Windows
- EMBEDDED SYS. Arduino, Raspberry Pi
- OTHERS Git, \LaTeX , Photoshop, Premiere Pro

INTERESTS

Surfing, Cooking, Ball Sports, Photography.