

# Juang, Yi-LIN

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## WORK EXPERIENCE

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2018 - Software Engineer, **nuTonomy**, *Aptiv, Singapore*  
Built and pioneered python sdk of log processing service. Established coding standards for all internal python tools.  
Introduced new format of logs into existing log processing service after company got acquired. Seamlessly migrated all other services to use new format including two years' data. Guaranteed users from all offices are able to view and download any logs produced from any sites.  
Redesigned log processing pipeline by introducing AWS Kinesis and SQS to increase reliability and scalability (10 times traffic) and to decouple microservices.  
Set up new service to keep track of processing status of every log. Integrated it with Slack, users simply know how things are going with logs thru slack command. Leveraged it to analyze the performance of pipeline and delivered SLA.

Tech: python, .net core, aws.

SUMMER 2016 Software Engineering Intern, **Google Inc.**, *Taiwan*  
Chrome OS Video and Camera team. Developed low-level system features. Dealt with communication between Chrome OS and Android system.

## EDUCATION

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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

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SPRING 2019 Python Course Assistant, **Code In The Community**, *Singapore*  
Volunteered in free coding classes for kids from less well-to-do background. Step by step familiarized students with fundamental programming knowledge as they built real world applications.

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 **1st hackathon for makers** in Taiwan. **Led a ten-person team**. Dealt with school administration, sponsors, tutors. Attracted 100+ makers. To date, remains the best and largest hardware hackathon.

## SKILLS

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| LANGUAGES     | Chinese (native), English (TOEFL iBT: 102/120), German (Goethe-Zertifikat B1)                           |
| PROGRAMMING   | <b>Main</b> .Net Core, Python, AWS <b>Experienced</b> C++, JS ES6, Unix Shell Scripting, Terraform, Git |
| OS            | Linux (Ubuntu, Arch Linux), macOS, Windows  |
| EMBEDDED SYS. | Arduino, Raspberry Pi   |
| OTHERS        | ℒ <sub>A</sub> T <sub>E</sub> X, Photoshop, Premiere Pro  |

## INTERESTS

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Indie Films, Surfing, Cooking, Ball Sports.