

YOU-YI JAU

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"Cleverness is a gift, kindness is a choice. We always have the choice."

Education

National Taiwan University (NTU)

Taipei, Taiwan

B.S. IN ELECTRICAL ENGINEERING

Sep. 2013 - Exp. Jan. 2018

- Courses taken: Machine Learning (Dr. Hung-yi Lee), Digital Speech Processing (Prof. Lin-shan Lee), Digital Visual Effects (Prof. Yung-Yu Chuang), Signals & Systems (Prof. Homer H. Chen), Algorithms (Prof. Yao-Wen Chang), Strategy Consulting (BCG Taiwan)

Research & Projects

Undergraduate Research, Media IC & System Lab (Prof. Shao-Yi Chien)

Taipei, Taiwan

RESEARCHER FOR <ODOMETRY FOR IMPRECISE AUGMENTED REALITY>

Feb. 2016 - Jun. 2017

- Aiming to locate the position of user by low-powered gyro sensors and cameras
- Implementation to utilize gyro's data in ORB-SLAM for localization

Consulting Project, Strategy Consulting (JT Hsu, BCG Taiwan Director)

Taipei, Taiwan

CONSULTANT FOR A POS SYSTEM CORP.

Oct. 2017 - Exp. Jan. 2018

- Advising on how to provide "online reservation service" for restaurants in Taiwan, and evaluation of costs and benefits
- Analysis of market segmentation based on qualitative and quantitative analysis on restaurants and consumers

Project, Machine Learning (Prof. Hung-yi Lee)

Taipei, Taiwan

STACK EXCHANGE TAGS COMPETITION ON KAGGLE

Nov. 2016 - Jan. 2017

- Given questions, answers, and tags on several subjects from StackExchange, to predict tags on a different subject
- Implementation of preprocessing (remove stop words, construct bi-gram) and unsupervised learning (TF-IDF)

Project, Digital Visual Effects (Prof. Yung-Yu Chuang)

Taipei, Taiwan

HIGH DYNAMIC RANGE (HDR) IMAGE

Mar. 2016 - Apr. 2016

- Creating HDR image from photos of high contrast scenery with different shutter time
- Implementation of image alignment and tone mapping with Matlab

Volunteer Activities & Leadership

Aboriginal Service Club, NTU (Prof. Chien-Mo Li)

Taipei, Taiwan

PRESIDENT IN 2016

Sep. 2014 - Jul. 2017

- Winter/summer camps for primary school students in aboriginal villages in remote mountains of Taitung, Taiwan
- Club President for 6 months: leader of 60 teammates, organizing volunteer training and 14-day services

Working & Teaching Experience

Teaching Assistant, NTUEE

Taipei, Taiwan

TA FOR CALCULUS

Mar. 2017 - Jun. 2017

- 2-hour weekly lecture to review and answer questions for NTUEE students on calculus

Summer Intern, Dell Taiwan

Taipei, Taiwan

SOFTWARE ENGINEER IN SERVER TEAM

Jul. 2016 - Aug. 2016

- Developing debugging tools in python and understanding the structure of servers

Harvard Taiwan Leadership Conference (HTLC)

Taipei, Taiwan

TEACHING ASSISTANT

Jul. 2015 - Aug. 2015

- Cooperation with students in Taiwan and Harvard university on 7-day conference about leadership for high school students

Professional Activities

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| 2017 | MakeNTU Enterprise Awards: FET & GaTec/ Best Popularity Award , NTUEE Hackathon | Taipei, Taiwan |
| 2016 | MakeNTU Best Popularity Award (out of 40 teams) , NTUEE Hackathon | Taipei, Taiwan |
| 2016 | Semi-Final round Qualification , NTU Creativity & Entrepreneur Contest | Taipei, Taiwan |
| 2015 | 5th place (out of 150 competitors) , NTU Data Structure and Programming contest, Cadence | Taipei, Taiwan |

Honors & Awards

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| 2017 | Certificate of Altruistic Award , NTU | Taipei, Taiwan |
| 2016 | Scholarship (NT\$150,000) , Lin, Hsiung-Chen Foundation | Taipei, Taiwan |
| 2014-16 | Scholarship (NT\$25,000) , Wen-Yuan Pan Foundation | Taipei, Taiwan |
| 2014 | Certification of Presidential Award , NTU (top 5% of all NTUEE students) | Taipei, Taiwan |

Skills

Programming	C++(Advanced), Python, Matlab JavaScript (back-end), Arduino, ORCAD Pspice
Language	English – TOEFL: 103/120 GRE: V(152), Q(170), AWA(3.0)