

# Meng-Ju Kuo

No.74, Sec. 3, Zhongshan Rd., Yilan City, Yilan County 260, Taiwan (R.O.C.)

✉ [a039325489@gmail.com](mailto:a039325489@gmail.com) ☎ 886-910882060 🌐 [michaelkuo0905.github.io/](https://github.com/michaelkuo0905)

## EDUCATION

**National Chiao Tung University (NCTU), Taiwan** Sep. 2017- Jun. 2019

*Master of Science in Electronics Engineering*

GPA: **4.0/4.3**

Advisor: Ching-Yao Huang

Related course: Stochastic Processing, Deep Learning, Computer Architecture, Blockchain ([Hahow](#))

**Yuan Ze University (YZU), Taiwan**

Sep. 2013 – Jun. 2017

*Bachelor of Science in Communications Engineering*

GPA:3.94/4.0. Rank: 5/103 (**5%**)

Advisor: Juinn-Horng Deng

Related course: Liner Algebra, Introduction to Computer Science, Communications Network, Internet of Things

## WORK EXPERIENCE

**Military Service**

Dec. 2019 – Mar. 2020

- Taiwan requires compulsory military service for men over the age of 18
- Four months of basic training, including grenade throwing, target practice, and military etiquette

**Research Internship, Nanyang Technological University (NTU), Singapore** Jul. 2018 – Jan. 2019

**“P2P Power Trading in Smart Grid with Blockchain” | Advisor: Yonggang Wen and Ching-Yao Huang**

- We aimed to create a payment platform via blockchain to resolve conventional energy management
- Our decentralized application was established on Ethereum blockchain
- The P2P power trading prototype was completed in our first working package
- My work focused on private chain and smart contract development

## LEADERSHIP

**Teaching Assistant, Department of Computer Science, NCTU, Taiwan**

Spring 2019

**“Technology Entrepreneurship” Teacher: To Russell Hsing**

- This course introduce the knowledge of technology and entrepreneurship
- Students come from eleven countries

**Teaching Assistant, Department of Communications Engineering, YZU, Taiwan**

Fall 2017

**“Communication Lab” Teacher: Juinn-Horng Deng**

- The course introduced students to LabVIEW software and its applications in communication simulation.
- Helped students resolve any problems they encountered throughout the course

**MIT & YZU Collaborative Program, YZU, Taiwan**

Jul. 2015 – Aug. 2015

- The camp was led by six students from MIT
- Learned four essential elements from this camp: Communication, Culture, Cooperation, Professional
- Only spoke English for the duration of the camp

## SELECTED AWARDS

**Singapore International Energy Week 2018, Marina Bay Sands, Singapore**

Nov. 2018

- We were invited to participate a large international energy event
- Introduced our research results to guests, including government officials

**Communication Experiment, Department of Communications Engineering, YZU**

Jun. 2016

- Twenty groups participated in the competition, but only six groups won a prize and we got first prize

## Three times Communications Department Scholarship, YZU

2014, 2015, 2017

- Semester rank in top three

## Academic Excellence Award in Department of Communications Engineering, YZU

Jun. 2014

- Only two students in our department were awarded this prize

## RESEARCH EXPERIENCE

---

### Yuan Ze University (Undergraduate Research Assistant)

Jun. 2016 – Oct. 2016

#### “Time Recovery” Advisor: Juinn-Horng Deng

- We aimed to use an adaptive algorithm to identify an optimal solution to the Clock Drift problem during Transmission
- I used three adaptive algorithms: ‘Cluster variance,’ ‘Output Power,’ and ‘Absolute.’
- Used software (MATLAB) to run a simulation and hardware (E4438C-Signal producer and E4406A-Signal Analyzers) to validate my research

### Communication Experiment Competition, YZU, Taiwan

May. 2016 – Jun. 2016

#### “Using USRP to realize OFDM Transceiver on LabVIEW software platform”

- Built an OFDM Transceiver through the LabVIEW platform
- To verify my design, I emulated a real transmission environment by connecting two USRPs: one for the transmitter and one for the receiver.

## SPECIAL TALENT – MUSIC

---

- I have played the saxophone since I was 12 years old
- Won Music Competition, Excellence Pipe Music Ensemble in Yilan County, Taiwan
- Major in Alto-Saxophone/ minor in Soprano-Saxophone

Nov. 2007

## RELEVANT SKILLS

---

**Programming Languages:** C++, Python, JavaScript, Solidity, MATLAB, LabVIEW, L<sup>A</sup>T<sub>E</sub>X

**Interests:** Basketball, Movies, Traveling

## LANGUAGE

---

Mandarin | Native

English | Fluent

Japanese | Basic (speaking and reading)