

# MENG-JU LEU

No.8, Aly.46, Ln, Zhongzhen Rd., Shalu Dist, Taichung, Taiwan

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## EDUCATION

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**National Taiwan University**, Taipei, Taiwan  
Bachelor of Science in Electrical Engineering

09-2012 – 07-2016

## PROFESSIONAL EXPERIENCE

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**KKBOX Inc.**  
*Intern Software Quality Assurance Engineer*

01-2016 - Present  
*Taipei, Taiwan*

- Extended the open-source project Pyuia to accommodate perfectly on Appium v1.5.3
- Built KKBOX Android Apps UI-Test automation framework based on Selenium and Robot Framework and maintained the whole testing library.
- Packed auto-testing environment into docker image, so that we can start our test plan without tedious environment setting.
- Built api-testing framework for testing KKBOX database using nosetest

**Chunghwa Telecom Co. Ltd.**  
*Research Assistant*

01-2015 – 01-2016  
*Taipei, Taiwan*

- Designed algorithms to collect network data for reliable and accurate representation for pricing schemes.
- Emulated SDN topology with commercial software – EstiNet and wrote Python program to collect network flow data through Ryu, an open source SDN-controller.
- Proposed novel dynamic data pricing scheme, especially time-dependent pricing and location-based data pricing to solve network congestion.

## RESEARCH & COURSE PROJECT

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**FRAIG: Functionally Reduced And Inverter Graph**

01-2015

- Developed C++ programs, optimized a circuit by removing unused gate, performed trivial optimization and simplification by structural hash and equivalent gate merging.

**Machine Learning Course Project**

Fall Session 2015

- Implemented machine learning algorithms including soft margin SVM, AdaBoost-Stump algorithm, Decision Tree, PLA and Decision Stump algorithm, Logistic Regression and Regularized Linear Regression with Python.

**Advance Performance Modeling on PCS Networks**

06-2015

- Built a network simulation model and implemented it with C. Controlled the error under 2 percent from the real world data.

## PUBLICATIONS

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**Location-Based Time-Dependent Smart Data Pricing by SDN**

- IEEE GLOBECOM 2016 in Washington D.C.

## TECHNICAL SKILLS

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- **Programming Language:** Python / Matlab / C / C++ / Swift / Verilog
- **CS Fundamental:** Data Structure and Algorithm / Operating System / Computer Architecture
- **Debug Tools / Version Control:** GDB / Github
- **Language:** Chinese and English (Fluent)
- **EE Experience:** DSP / Analog and Digital communication systems / Circuit Design