

MENG-JU LU

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OBJECTIVE

To obtain a full time Junior Software Engineer position where I could contribute my technical skill in system-level / computer network / cloud computing area and communication strength for teams interaction

EDUCATION

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

09-2012 – Present

PROFESSIONAL EXPERIENCE

KKBOX Inc.
Intern Software Quality Assurance Engineer

01-2016 - Present
Taipei, Taiwan

- Programmed in Python language for UI test automation on Android Apps
- Designed and Implemented Android Apps Test Cases with Selenium and Robot Framework

Chunghwa Telecom Co. Ltd.
Research Assistant

01-2015 – 01-2016
Taipei, Taiwan

- Investigated and applied algorithms on collected 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 & PROJECT

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.

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.

Baseband Communication Integrated Chip Design

Fall Session 2014

- Implemented differential QPSK transmitter, AWGN generator, carrier frequency offset and timing offset simulator, and timing recovery circuit with MATLAB. Wrote Verilog program and ran on FPGA.

TECHNICAL SKILLS

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