

## Contact

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## Top Skills

RabbitMQ

TensorFlow

Git

# Yie-Sheng Chen

Communication RD engineer at ASUS  
Albuquerque, New Mexico, United States

## Experience

The University of New Mexico

PHD Student

August 2021 - Present (2 years 1 month)

Albuquerque-Santa Fe Metropolitan Area

ASUS

7 years 2 months

Senior Software Engineer

February 2019 - June 2021 (2 years 5 months)

Taipei City, Taiwan

- Implemented initial version of event filter consumer, SNS, SQS and log to Elasticsearch as part of storage infrastructure services for Taiwan2 supercomputer expansion project with a team of 20+ people.

- Implemented storage solution for a deep learning system for Certis (Singapore) using NFS server on lvm-cached RAID disks, and monitoring by node-exporter and Prometheus.

- Participated in planning and implementing a Proof-of-concept ceph storage system for AT&T :

Study CQSim paper and Ceph crush paper to find a possible way to implemented partitioned placement strategy

Developed manual procedures to install Ceph on Ubuntu, CentOS, Suse Linux.

Study and troubleshoot Ceph administration and deployment

Study and troubleshoot cosbench benchmarking on Ceph radosgw object storage on top of both erasure-coded and replicated data pools.

Cursory study of ceph source code, and underlying algorithms (such as paxos)

Software Engineer

September 2017 - January 2019 (1 year 5 months)

Taipei City, Taiwan

Responsibilities:

1. Training data collection, labeling, filtering

Researches:

1. Blurriness classification

2. Face emotion classification by fine-tuning pre-trained Facenet
3. Face pitch angle estimation by fine-tuning and distilling pre-trained Facenet
4. Face detection and face pitch angle estimation through fine tuning SSD

#### Communication RD engineer

May 2014 - September 2017 (3 years 5 months)

Taipei City, Taiwan

##### Responsibilities:

1. Maintain (customize, debug, porting) : the following items in AOSP RIL framework and RIL daemon : Call control, mobility management, phonebook, factory tool
2. Daily and weekend stress test and then analyze AOSP's dialing and answering

##### Projects:

1. Qualcomm: Zenfone2 (ZE500KL), PadFoneS (PF500KL), ZenFone3 (ZE552KL), Zenfone Live (ZB501KL), ZenfoneAR (ZS571KL), Zenfone4S (ZS551KL), ZenFone-V Live (V500KL)
2. Intel: Padfone X mini (PF450CL), Zenfone2 (ZE500CL)

#### UTK

##### Software Engineer

July 2010 - October 2010 (4 months)

wrote DBMS applications which includes the following: modified the code of the company's database-accessing framework and coded in C# to import/export excel and .csv files

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## Education

#### University of Florida

Master of Science (M.S.), Computer Engineering · (2011 - 2013)

#### National Tsing Hua University

bachelor of computer science, Computer Science · (2005 - 2009)