

Yan-Ru Jhou

Los Angeles, California, 90095 | (310) 254-6047 | yanrujhou@g.ucla.edu | <https://yanrujhou.herokuapp.com/>

EDUCATION

University of California, Los Angeles (UCLA), Los Angeles, California

Sep 2019 -

- Master of Science in Computer Science

National Tsing Hua University (NTHU), Hsinchu, Taiwan

Sep 2014 - June 2018

- Bachelor of Science in Computer Science
 - **GPA:** 4.09/4.3 (Overall), **Ranking:** 7/126 (~ Top 5%)
 - **Honors:** Presidential Award (3 times), EECS College Scholarship

PROFESSIONAL EXPERIENCE

Deep Force, Taipei, Taiwan

Mar 2019 - Present

Software Application Intern

Deep Force is a deep learning startup dedicated to providing edge computing software libraries

- Developed websites based on Django for retail, industrial, and VIP membership management system, which led to successful customer service
- Performed software testing on websites, resulting in less errors and 50% less total deployment time
- Reduced 20% ML model deployment time by implementing automation tools and applications based on Jenkins and Django

Chunghwa Telecom Laboratories (CHT-TL), Taipei, Taiwan

Jul 2018 – Aug 2018

Intern

CHT-TL is the research institute in the largest integrated telecommunication service provider, Chunghwa Telecom Co., Ltd., in Taiwan

- Developed HiCloud (cloud service) Java/Python SDK; allowed developers to build software application
- Improved front-end user portal to enhance user usability
- Tested on HiCloud Rest API to improve its security, solving privilege escalation issues caused by improper authentication

RESEARCH EXPERIENCE

PRIP Lab, National Tsing Hua University, Hsinchu, Taiwan

Feb 2017 – Jan 2018

Project Student

- Data Processing and Analysis by MATLAB: A Study on Taiwanese Population Data Between 1974 and 2016." Supervisor: Prof. Chen Chaur-Chin
 - Built auto regression (AR) mathematical model with MATLAB and predicted Taiwan's population against time, including total population, regional population, aging rates, birthrates, and death rates

PROJECT EXPERIENCE

US Tax Computing Program with Software Testing Technique (C, Python)

Apr 2018 – May 2018

National Tsing Hua University, Hsinchu, Taiwan

- Implemented a tax computing program in C that yields the tax value based on 1040EZ
- Tested black box from boundary value analysis, equivalence testing, and decision table with Python
- Tested white box with 100% coverage

Student Grading System by Agile Development Method (Java)

Mar 2017 – Apr 2017

National Tsing Hua University, Hsinchu, Taiwan

- Implemented a student grade system using the Agile method
- Responsible for the architecture, design, and testing of the grading system

PROFESSIONAL SKILLS

Expertise: Web Development, Cloud Service Development, Agile Development, DevOps

Programming Languages: Python, Java, JavaScript, C/C++, MATLAB, Haskell (Prior Experience)

Web Development: React, Django, Node.js, Bootstrap, RWD, HTML, CSS, JSON

Technologies: Jenkins, Docker, GCP