Yan-Ru Jhou

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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

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PROFESSIONAL EXPERIENCE

Software Application Engineer Intern   Mar 2019 - Present

Deep Force, Taipei, Taiwan

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

Software Intern   Jul 2018 – Aug 2018

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

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

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RESEARCH EXPERIENCE

PRIP Lab   Feb 2017 – Jan 2018

National Tsing Hua University, Hsinchu, Taiwan
- Data Processing and Analysis: A Study on Taiwanese Population Data Between 1974 and 2016
    - Built auto regression (AR) mathematical model with MATLAB to predict Taiwan's population

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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 both black box and white box from boundary value analysis, equivalence testing, and decision table with Python, achieving 100 % testing 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

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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

Technologies: Jenkins, Docker, GCP