

# 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

**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; deployed to production using **NGINX** and **Gunicorn**
- Performed software testing on websites and tracked issues with **JIRA** system, 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
- Built software using **Scrum methodology** and **Kanban** scheduling method

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## 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

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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 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

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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, HTML, CSS, JSON

**Technologies:** Jenkins, Docker, GCP