

Yu-Jie (Yvonne) Wu

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SKILLS

- **Programming:** Golang, JavaScript, Python, C++, SQL
- **Frameworks:** Gin, Fx, Express, PyTorch, TensorFlow, Qiskit, Nuxt.js, Next.js
- **Databases:** MySQL, MongoDB
- **Tools:** Git, Docker, Kubernetes, Drone, Grafana
- Worked as part of **Scrum** team, using **Trello** and **Jira** as project management tool
- Strong knowledge of **Data Structure**, **Algorithms**

EDUCATION

University of California, Davis GPA: 3.90/4.0

M.S. in Computer Science

Davis, CA

Expected June 2025

National Chengchi University GPA: 3.98/4.3

B.S. in Management Information Systems

Taipei, Taiwan

June 2023

WORK EXPERIENCE

LINE TAIWAN LIMITED

Software Engineering Intern

Taipei, Taiwan

Sept. 2021 – June 2023

- Developed internal CMS with **Golang** and **MySQL** for web deployment automation to replace hardcoded website; shortened deployment time by 70%
- Built APIs for mobile subscription plans integrating **Kafka**; served over 10,000 customers
- Implemented event logging features using **Grafana**
- Created a bot utilizing **Golang** and **Kubernetes Cronjob** to retrieve Trello tasks and generate weekly reports automatically

Aptan

Backend Intern

Taipei, Taiwan

Mar. 2021 – Aug. 2021

- Introduced **GraphQL** to optimize nested data fetching

WeGrains

Software Intern

Taipei, Taiwan

June 2020 – Dec. 2020

- Participated in a **IoT** parking system development; recognized by the National Development Fund
- Worked as a main developer to design and analyze database and deploy the parking app

RESEARCH EXPERIENCE

GPT Language Polarization

Research Assistant

Davis, CA

Apr. 2024 – Present

- Working with Prof. Anshuman Chhabra and Prof. Magdalena Wojcieszak on **Generative AI** to analyze polarization in political unstructured natural language
- Utilizing **Python** and **OpenAI API** to fine-tune **GPT-3.5** models

PROJECTS

Ciphertext Classifiers | [GitHub](#)

Feb. 2024

- Leveraged **TensorFlow** to fine-tune pretrained **DistilBERT** for ciphertext classification task
- Built a classifier using **Word2Vec** + **BiLSTM** + **CNN** that achieves an accuracy of 88% on the testing data

Tic Tac Toe Game and Small Operating System | [GitHub](#)

Oct. 2023

- Developed an operating system running on **RISC-V** simulator
- Utilized **C** to implement system calls and tic tac toe game

House Rent Info Bot | [GitHub](#)

June 2021

- Developed a distributed system for rental information utilizing **Zookeeper**, **Kafka** and **KSQL**
- Scraped 20,000 rental data from rental property websites with **Node.js**