


CHUAN-MING OU

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EDUCATION

National Tsing Hua University

Bachelor's degree & Department of Computer Science

Sep. 2018 - Jun. 2022

- Overall GPA: 3.98 / 4.3

- Award: Outstanding Academic Achievement Award (2020 Fall, 2020 Spring), Best Teaching Assistant (2020 Spring)

Master's degree & Department of Computer Science

Sep. 2022 - Now

- Overall GPA: 4.3 / 4.3

- Work with IBM to survey DPU for real application.

WORK EXPERIENCE

Synology / cloud product developer summer intern

Jul. 2022 - Sep. 2022

- Design workflow and architecture for backup virtual machine service from scratch.
- Use differential backup to improve backup efficiency and save storage.
- Control different backup version with time-series snapshots.
- Write unit test for transfer agent.

AICS ASUS / backend intern

Feb. 2022 - Jun. 2022

- Assist in deploying services with Azure platform and optimizing DevOps workflow.
- Write end-to-end testing for our service availability.

Industrial Technology Institute (ITRI) / backend intern

Jan. 2020 - Jul. 2021

- Design an algorithm to find the best WIFI base stations within limited time.

SELECTED PROJECTS

Query Auto Completion (QAC)

Mar. 2021 - Nov. 2021

- Optimize the inference time with our implemented Trie.
- Implement ranking model to reach better MRR score.
- Extreme low inference time following the industrial standard.

Shared Platform

May. 2022 - Now

- Design whole backend micro-service architecture.
- Build authorization service between API server and storage server.
- Develop and design front-end page with Vue.js.

EXTRACURRICULAR

8th Mei-Chu Hackathon

Mar. 2020 - Oct. 2020

- Developed Backend services for the hackathon's website.
- Assisted sponsors in holding their competitions.

42 Silicon Valley Summer Exchange Student

Jul. 2019 - Aug. 2019

- Cooperated with other people from different countries.
- Practiced to solve programming problems there.

SKILLS

Programming: C, C++, Python, Golang, Javascript, SQL, CUDA, Pthread, OpenMP
Software & Tools: **Framework:** Gin, VueJs, ReactJs
Testing Framework: Ginkgo, Cypress
Others: Azure, Docker, PostgreSQL, Github