

CHUAN-MING OU

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🔗 <https://github.com/tsw303005>

🌐 <https://personal-website.ivanouo.one>

EDUCATION

National Tsing Hua University

Sep. 2018 - Jun. 2022

Bachelor's degree & Department of Computer Science

- Major GPA: 4.1 / 4.3
- Award: Outstanding Academic Achievement Award (2020 Fall, 2020 Spring), Best Teaching Assistant (2020 Spring)

National Tsing Hua University

Sep. 2022 - Jun. 2024

Master's degree & Department of Computer Science

🌐 <https://lsalab.cs.nthu.edu.tw/>

WORK EXPERIENCE

AICS ASUS

Feb. 2022 - Jun. 2022

Web Backend Intern

- Assist in deploying services with Azure platform.
- Write end-to-end testing for our services

Industrial Technology Institute (ITRI)

Jan. 2020 - Jul. 2021

Backend intern

- Designed an algorithm to find the best WIFI base stations.
- Applied our algorithm to the real environment.

Teaching Assistant of Introduction to Programming

Mar. 2021 - Jul. 2021

Teaching Assistant Head

- Assisted in organizing the course activities.
- Examined every programming problems before tests.
- Best Teaching Assistant (2020 Spring)

Teaching Assistant of Distributed-System

Feb. 2022 - Jun. 2022

- Designed a project with other teaching assistant as the homework.
- Responsible for introducing OpenTelemetry and Prometheus.

SELECTED PROJECTS

Query Auto Completion (QAC)

Mar. 2021 - Nov. 2021

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

Gaussian Blur

Nov. 2021 - Jan. 2022

🔗 <https://github.com/tsw303005/Gaussian-Blur-CUDA>

- Blur images using Gaussian function.
- Implemented Gaussian Blur with CUDA, MPI, OpenMP.

CheckBox APP

Mar. 2020 - Jun. 2020

- Helped people organize their todo-list to enhance their efficiency.
- Successfully install our APP on Android cellphone.

EXTRACURRICULAR

8th Mei-Chu Hackathon

Mar. 2020 - Oct. 2020

Member of Develop Department

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

Leetcode Study Group*Feb. 2021 - Jun. 2021*

- Solved problems selected by leader every weeks.
- Discussed with other members for better solution.

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, Go Micro, VueJs, ReactJs
Testing Framework: Ginkgo, Cypress
Others: Azure, Docker, PostgreSQL, Github