

Oscar Li

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EDUCATION

MS in Computer Science

National Taiwan University

Taipei, Taiwan • 09/2022 - 06/2024

- Honorary member of the **Phi Tau Phi** Scholastic Honor Society.
- Outstanding Teaching Assistant of the School Year 2023, Spring.

BS in Computer Science

National Chiao Tung University

Hsinchu, Taiwan • 09/2018 - 06/2022

- GPA: 4.11/4.3, **Top 4%**, Dean's List for three semesters.
- Received the Excellence Award in the NCTU CS Research Project Competition, 2022.

WORK EXPERIENCE

Intel Corporation

07/2023 - 05/2024

Software Engineer Intern

- Contributed to the development of the internal LLM copilot, improving unit test coverage of 20% without human intervention for UEFI BIOS drivers.
- Refactored the System Management BIOS using C/C++ and TDD, reduced 20% boot time and increased 48% coverage.
- Ported unit tests and mock-ups from cmocka to GoogleTest, increasing coverage by 44% for the I2C driver.

National Applied Research Labs

02/2023 - 09/2023

NLP Engineer, TAIDE LLM • Part-time

- TAIDE outperformed GPT-3.5-turbo and publicly available Chinese models on the TAIDE-14 benchmark.
- Investigated the log-linear relationship between pre-training corpus scale and downstream performance, creating TAIDE with optimal performance to resource ratio.
- Created the world's first human-preference dataset in Traditional Chinese of 130K samples, using state-of-the-art prompting techniques.

Tomofun (Pet AI Startup)

03/2023 - 06/2023

AI Engineer Intern

- Increased the open-world robustness by 10% and reduced training data requirements by 90% of the vision-language model by introducing efficient tuning methods.
- Proposed a multi-stage pet report generation pipeline that allows LLMs to aggregate information of over 100K tokens, resulting in an 8/10 user helpfulness rating.

ACM Lab, National Chiao Tung University

01/2021 - 01/2022

Research Assistant

- Achieved 28% performance improvement, 98% less training data for neural network via GAN-based domain adaptation.
- Collaborated with TSMC and Honeywell for integrating the solution into TSMC's HVAC control system, resulting in annual energy cost savings of up to millions of dollars.

SKILLS

C/C++, Python, SQL, Object-Oriented Programming, Test-Driven Development, Natural Language Processing, Computer Vision, Data Structures and Algorithms, Operating Systems, Computer Organization