

Contact

lewis.won@gmail.com

www.linkedin.com/in/lewis-won
(LinkedIn)

Top Skills

Algorithms

Large Language Models (LLM)

PyTorch

Languages

Mandarin (Native or Bilingual)

Japanese (Limited Working)

English (Native or Bilingual)

Bahasa Indonesia (Limited Working)

Certifications

Chartered Financial Analyst (CFA)
Level 1

Site Reliability Engineering (SRE)
Foundation

Honors-Awards

Ling Yun Scholarship (凌云奖学金)

Huang Shi Scholarship (黄氏奖学金)

Outstanding Academic
Achievements Award

Outstanding International Students
Award

Outstanding Academic Studies
Award

Lewis Won

AI Research Engineer | Training Multimodal LLMs
Singapore, Singapore

Summary

Bridging the gap between Western speech benchmarks and Southeast Asian linguistic realities. Manage training runs on 100+ H100 GPU. Curated more than 30 terabytes of synthetic data.

Experience

A*STAR - Agency for Science, Technology and Research

Senior Research Engineer II

September 2025 - Present (11 months)

Singapore

- Tech lead for MERaLiON-V3-10B and MERaLiON-OmniVoice-Hokkien-TTS
- Integrated Nvidia Megatron-Core into our existing multimodal trainer, enabling large-scale LLM training with highly-optimised 4D parallelism
- Managed training runs of multimodal LLMs on 100+ H100 GPUs
- Curated more than 30 terabytes of synthetic data
- Made hiring decisions of research and engineering staff joining the MERaLiON team

Numerical Technologies

Software Engineer

March 2025 - September 2025 (7 months)

Singapore

Centre for Strategic Infocomm Technologies (CSIT)

Software Engineer

April 2023 - March 2025 (2 years)

Singapore

The Singapore Public Service

Assistant Director

August 2019 - April 2023 (3 years 9 months)

Singapore

- Evaluated critical infrastructure projects worth SGD X00 millions in Ministry of Sustainability and the Environment, and was the lead policy officer in Ministry of Home Affairs for a legislation passed in parliament
- Managed stakeholders across more than 10 ministries and agencies, under time pressure
- Promoted 3 times within 4 years from executive to assistant director
- Seconded to OneConnect Financial Technology from 2021 to 2022 as Assistant Business Development Manager under the Singapore Public Service's Talent Attachment Programme

Singapore Armed Forces (SAF)

Commissioned Officer

February 2011 - December 2012 (1 year 11 months)

Singapore

- Organised the base defense of Tuas Naval Base
- Trained with US Marine Corp in urban operations as part of Cooperation Afloat Readiness and Training 2012

Education

Georgia Institute of Technology

Master of Science - MS, Computer Science · (2022 - 2025)

Massachusetts Institute of Technology

Master of Science - SM, Political Science · (2017 - 2019)

Peking University

Bachelor of Laws - LLB, International Politics · (2013 - 2017)

Waseda University

Bachelor of Arts - BA, Political Science (Double Degree) · (2015 - 2017)

Hwa Chong Institution

Science stream · (2005 - 2010)