

Yun-Sheng Lo

Taipei, Taiwan | +886-908-402-550 | ee27187219@gmail.com

Profile

Master's student at National Taiwan University specializing in Engineering Science and Ocean Engineering. Passionate about leveraging AI and machine learning to solve real-world problems. Currently focusing on deep learning architectures for object detection and tracking, while actively acquiring full-stack development skills to become a comprehensive AI engineer.

Education

- **National Taiwan University (NTU)** | M.S. in Engineering Science and Ocean Engineering
 - *Expected Graduation: 2026*
 - **Thesis:** Application of Deep Learning in Skier Tracking: Optimization Based on YOLOv11 Architecture and Tiny Object Features
 - **National Cheng Kung University (NCKU)** | B.S. in Hydraulic and Ocean Engineering
 - **Minor:** Engineering Science
 - **Independent Study:** Application of YOLO Image Recognition Technology in Water Recreation Activities
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Experience

Union-Tech Engineering Consultants Co.

Engineering Intern | *July 2023 – Aug 2023* * Participated in construction supervision of public facilities and terminal engineering at the Port of Taipei. * **Performance Rating: 91/100 (Excellent)**. * Commended for strong communication skills, professional attitude, and efficient execution of complex tasks.

National Taiwan University, Dept. of Civil Engineering

CAE (Computer Aided Engineering) Intern | *June 2022 – Aug 2022* * Conducted research and data analysis focused on Urban Heat Environments. * Successfully completed the summer internship program with a certificate of completion.

Technical Skills

- **AI & Computer Vision:** YOLO (v7-v11), Object Tracking, Tiny Object Detection, Image Recognition
 - **Programming:** Python (Data Analysis & ML), TypeScript
 - **Web Development:** Next.js, React, Tailwind CSS, Vercel Deployment
 - **Tools:** Git, Linux, Markdown
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Side Projects

- **Snowboard Study Web:** Developed a Next.js web application for CASI (Canadian Association of Snowboard Instructors) exam preparation.
- **Line Chatbot (Under Development):** Designed a concept for graduate student emotional support using Gemini/OpenAI models.