

YI-XIAN LIN

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GitHub: <https://github.com/Zianwalk>

EDUCATION

National Yunlin University of Science and Technology, Taiwan

M.S. in Computer Science and Information Engineering (Sep 2023 – Aug 2025)

- Research on LiDAR-based 3D object detection, improving PointPillars with Feature Pyramid Network (FPN) integration
- Achieved up to 5% BEV AP improvement on pedestrian and 7% 3D accuracy gain on cyclist detection on KITTI dataset

Chung Yuan Christian University, Taiwan

B.S. in Computer Science and Information Engineering (Sep 2017 – Jun 2021)

- Developed a Scheme interpreter in C++ supporting lexical analysis, parsing, syntax checking, and error reporting

EXPERIENCE

Firmware Engineer, GIGABYTE Technology (May 2022 – Apr 2023)

- Transferred to subsidiary Giga Computing Technology Inc. during organizational restructuring
- Developed and maintained UEFI firmware for server platforms including Eagle Stream servers
- Assisted in reproducing and verifying an urgent iSCSI boot issue, confirming no UEFI firmware fault
- Performed firmware testing, debugging, and modifications to support system stability
- Collaborated with hardware/software teams on integration and validation

SKILLS AND CERTIFICATIONS

-Programming: C, C++, Python

-Tools & Frameworks: Basic Microsoft PowerPoint, Excel; PyTorch, OpenCV