

HONGXU CHUO

E-Mail : da39a3ee5e6@gmail.com

Education:

- **National Yunlin University of Science and Technology**
 - Master's Degree, Department of Computer Science and Information Engineering (Sep 2023 – Present)
 - Advisor: Professor Wen-Feng Wang
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Expertise:

- ARM Firmware Development
- Embedded Systems
- Machine Learning
- Docker

Certifications:

- TOEIC Green Certificate (Listening: 365, Reading: 305)
- AMA Advanced Microcontroller Application Certification
- Microsoft MTA: 98-366

Publications:

- **Application of Machine Learning in Fistula Occlusion Diagnosis**
SAGE Journal, Jul 2023 – Jul 2025
 - Collaborated with the Cardiology Department of National Cheng Kung University Hospital (Douliu Branch) on diagnosing fistula blockage in dialysis patients using non-contact methods.

Project Experience:

- **Gait Detection System Development (Nordic nRF52)**
Sep 2023 – Dec 2024
Developed a wearable device for monitoring patients' gait stability using MDBT50 chip (Nordic nRF52833), integrated with a 9-axis sensor (BNO055).