

JEREMY WOON ZHE MING

IT GRADUATE / IOT / DATA / ENTERPRISE SYSTEMS

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Malaysia

IT graduate with a background spanning embedded systems, cloud and enterprise IT, seeking postgraduate research in distributed and embedded systems. Final-year project built and field-validated an offline-first IoT monitoring platform, from ESP32 firmware to a published dataset. Enterprise support across 400+ endpoints; independent photographer and developer of the portfolio at jeremywoon.com.

EDUCATION

Bachelor of Science (Honours) in Information Technology 2023 - 2026
Asia Pacific University of Technology & Innovation (APU), Malaysia

- Interim CGPA 3.74/4.00; APU First Class threshold met, pending final award confirmation.
- A+ Final Year Project; selected A+ modules include Advanced Database Systems, Distributed Computer Systems and Cloud Infrastructure and Services.

EXPERIENCE

IT Support Intern, MunchWorld Marketing (URMunchy's) May - Jul 2025
Klang, Selangor

- Supported Microsoft 365, Active Directory, Synology NAS permissions and helpdesk requests across account, access and meeting-room issues.
- Organised 400+ endpoints in Acronis; assisted GlobalProtect VPN migration and CrowdStrike deployment through pilots, documentation, logs and troubleshooting.
- Provisioned, imaged and refreshed secured PCs with asset, domain and data-migration checks; deployed six replacement desktops in one day.

Photographer, Independent Practice 2022 - Present
Johor Bahru, Malaysia / Lightroom / Photoshop

- Lead interior, architectural and industrial commissions alongside portrait, cosplay and wildlife work.
- Manage enquiries, scoping and quotations through shooting, post-production, image licensing and final delivery.

SELECTED PROJECTS

TrailSense IoT Environmental Monitoring System 2025 - 2026
Final Year Project / trailsense-web.vercel.app

- Built a four-tier offline-first platform using ESP32 sensors, BLE GATT, Flutter, Next.js and MongoDB.
- Validated with 33 respondents, two field hikes and three-role UAT; logged 539 GPS fixes with 4.0 m median reported accuracy. Published a 235-reading field dataset under CC BY 4.0.

Jeremy Woon Photography Portfolio Website 2026
jeremywoon.com

- Designed and developed a responsive HTML, CSS and JavaScript website on Cloudflare.
- Implemented project galleries, structured data, sitemap generation, responsive image delivery and browser security policies.

ADDITIONAL PROJECT WORK

Campus Tour Mobile App

Swift and Firebase application with authentication, real-time data, media management and an interactive map.

Hall Booking System

Java Swing desktop application with role-based workflows, booking administration and backup or restore.

Inventory & Records

Python and C systems using file handling, data structures, pointers and transaction history.

TECHNICAL SKILLS

CODE & DATA

Python, C/C++, Java, Dart, TypeScript, SQL

BUILD & CLOUD

HTML/CSS, Flutter, Next.js, MongoDB, Vercel, Cloudflare

IOT & EMBEDDED

ESP32, BLE/GATT, GNSS

ENTERPRISE IT

Microsoft 365, Active Directory, Acronis, GlobalProtect, CrowdStrike, Synology NAS

AI-ASSISTED ENGINEERING

Claude Code and OpenAI Codex coding agents; reusable skills, plugins and agent frameworks; AI-assisted coding, research, documentation and verification

TRAINING

Red Hat System Administration I (RH124) coursework

Getting Started with Linux Fundamentals (RH104) coursework

LANGUAGES

Mandarin	Advanced
English	Advanced
Bahasa Malaysia	Intermediate