

Jie Han Oh

ELECTRONIC ENGINEER — UNIVERSITY OF MANCHESTER

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SUMMARY	Dynamic and innovative Engineer with a diverse portfolio encompassing Silicon validation, AI agents, and autonomous robotics. Integrates a rigorous analytical approach with creative problem-solving skills to enhance workflows and optimize embedded systems. Experienced in leading cross-functional teams and effectively communicating technical results to stakeholders. Eager to leverage a fast-learning mindset and strong technical foundation in a graduate engineering role for 2026.	
SKILLS	C / C++ Programming Altium Soldering	VHDL / Matlab Simulink / Excel Unix / Linux
EMPLOYMENT HISTORY		
Jun 2025 – Sept 2025	Internship, Lattice Semiconductor (Penang, Malaysia)	<ul style="list-style-type: none"> Supported LPDDR4/DDR3 software IP in the DDR technology team. Automated pin assignment for development boards with a custom script, speeding setup and reducing errors. Restructured example projects to enable easier customization and faster customer adoption. Identified and resolved critical bugs in DDR3 IP, improving reliability ahead of release.
Jun 2024 – Sept 2024	Internship, Advanced Micro Devices (AMD) (Penang, Malaysia)	<ul style="list-style-type: none"> Automated PCIe endpoint capability extraction using Bash, accelerating diagnostics and performance analysis on Linux. Developed a Python tool to compare and validate register values across devices and configurations, flagging mismatches early to improve data integrity. Integrated both tools into the team's workflow, reducing manual steps and increasing repeatability.
PROJECTS		
Nov 2025	AgentVerse Hackathon, UCL	London
	<ul style="list-style-type: none"> Collaborated with a team of 6 to build an AI onboarding agent that answers FAQs and drafts HR/IT emails. Integrated GitHub and Slack APIs to ground responses in current projects and updates. Prototyped an Anam AI voice avatar enabling conversational onboarding for new hires. Produced and published a creative pitch video on YouTube to showcase the agent's capabilities. 	
Mar 2024 – Mar 2025	Hackabot 2024 and 2025, Robosoc Society	Manchester
	<ul style="list-style-type: none"> Collaborated in a team of 4 to program Mona bots to solve maze challenges. In 2024, coordinated two bots to communicate and collaboratively map the maze using onboard sensors. In 2025, explored computer-vision-based navigation for a sensor-less bot, enabling reliable route following. Sharpened my vibe coding skills. 	
Sep 2024 – Jun 2025	Embedded Systems Project, University of Manchester	Manchester
	<ul style="list-style-type: none"> Led a team of 5 as lead coder for a line-following buggy with a PID control algorithm on the MCU. Authored design documentation, test plans, and final reports; presented results to stakeholders. Designed chassis layout, sensor placement, and wiring diagrams; integrated motors, sensors, and MCU. Managed project budget and component selection; created promotional materials and a pitch for the project. 	

EDUCATION

Sept 2023 –

July 2026

Bachelor of Electronic Engineering, UNIVERSITY OF MANCHESTER

- On track for First-Class Honours; Year 1 average 88%, Year 2 average 81%.
- Key modules: Digital Systems Design (VHDL), Embedded Systems (C), Computer Architecture, Digital Signal Processing, Control Systems, High-Speed Digital & Mixed-Signal Design.
- Main projects: Built a line-following buggy with PID control on MCU; authored report on Shor's algorithm.

Jan 2022 –

Jun 2023

CAIE A-Levels, KOLEJ YAYASAN UEM (KYUEM) (Selangor, Malaysia)

1A* & 3A's: Further Mathematics (A*), Mathematics (A), Physics (A), Chemistry (A)

2019 – 2021

Cambridge IGCSE, Wesley Methodist School Penang International (Malaysia)

7 A* & 2 A's