

Leo Wu, Product Engineer

+886-966-106-352, leo.wu.15@ucl.ac.uk

PROFESSIONAL SUMMARY

DRAM Product Engineer experienced in DDR5/LPDDR5 validation, characterization, silicon debug, and timing analysis. At Micron, I completed two validation projects, optimized Python/C++ test programs and flows, and built a Python tool that reduce manual SHMOO analysis from 8 hours to 1 hour.

I'm motivated by solving tough silicon issues and improving validation efficiency, with skills in Python, C++, Linux, ATE, GTKWave, and troubleshooting.

EMPLOYMENT HISTORY

Jun 2025 — Present	DRAM Product Engineer, Micron	Taichung City
	• Completed two DDR5/LPDDR5 validation projects involving characterization, silicon debug, timing analysis, and debugged test program using GTKWave waveform tracing and analysis. • Developed and optimized Python/C++ test programs and test flows to reduce test time while maintaining sufficient test coverage. • Worked in Linux-based environments and operated Advantest T5503/T5801 and Micron in-house tester platforms to validate memory devices across different PVT conditions. • Developed a Python tool with Claude Code to automatically detect failure patterns in SHMOO graphs, reducing manual analysis time from 8 hours to 1 hour.	
Aug 2022 — Jul 2024	EUV Upgrade Engineer, ASML	Tainan City
	• Executed EUV source and drive laser upgrades for NXE:3400/NXE:3600 lithography systems in a high-pressure customer fab environment. • Completed five CP3 upgrade projects as part of a cross-functional team, covering source module hardware, plasma qualification, and post-upgrade recovery. • Troubleshoot hardware and system integration issues to reduce downtime and maintain upgrade schedules.	

EDUCATION

Sep 2015 — Jul 2019	Electronic and Electrical Engineering, UCL	London, England
	• Graduated with Second-Class Honours, Upper Division (2:1) • Final-Year Project: User-Assisted In-Network Caching in Information-Centric Networking (ICN)	
Sep 2011 — Jul 2013	A-Level, Loretto School	Musselburgh, Scotland
	• Mathematics (A*), Further Mathematics (A*), Physics (A), Chemistry (A)	

HOBBIES

Reading, weight training, web development, YouTube content creation, Discord bot development, and AI-assisted coding.