

Hao Xu

+Phone(+60) 199071821/Email: xuhao9936@gmail.com

EDUCATION BACKGROUND

Chengdu University of Technology School of Mechanical and Electrical Engineering	B.Eng in Electronics and Information Engineering	<i>Chengdu, 09/2020-06/2024</i>
Universiti Malaya School of Engineering	M.Res in Engineering Science	<i>Kuala Lumpur, 10/2024-10/2026</i>
◆ GPA:	3.54/5.0(ranked 25 from a total 244, top 10.2%), Weighted Average Score:85.51%	
◆ Language:	IELTS 6.0 Mandarin (Native)	

SKILLS SUMMARY

Data Analysis & Programming	◆ C Language/Python (Deep Data Mining), Data Acquisition & Processing
Technical Skills	◆ PCB Design(Easy EDA), Power Amplifier Design(ADS)
Software & Tools	◆ Proficient in Microsoft Office (Excel, PowerPoint, Word)
Core Competencies	◆ Excellent Analytical & Problem-Solving Skills, Strong Interpersonal & Communication Skills

KEY PROJECTS

National College Students Embedded Chip and System Design Competition (First Prize)	<i>Group member 05/2023 - 07/2023</i>
◆ Co-developed a lightweight neural network for automated feature detection in rock slice images, creating a system for quality investigation by identifying anomalies and generating heatmaps for analysis.	
◆ This project demonstrates the ability to build and implement a system to perform product audits through automated visual inspection.	
The Contest of Lan Qiao Cup (Second Prize)	<i>04/2023</i>
◆ Engineered a robust system to acquire, process, and analyze real-time environmental data from multiple sensors (light, temperature, humidity).	
◆ Demonstrated strong analytical skills by converting raw sensor outputs into meaningful data, a process essential for compiling and reporting on quality performance.	
RF Power Amplifier Design (in collaboration with Keysight Technologies)	<i>Group member 11/2024-06/2025</i>
◆ Designed and simulated a high-efficiency broadband RF Power Amplifier for 5G/6G applications, demonstrating the ability to work towards precise quality and performance targets.	
◆ Key design specifications included: an operating frequency of 3.5-4.6 GHz, an output power of 10W (40 dBm), and a Power Added Efficiency (PAE) exceeding 35%.	
◆ This project involved extensive use of simulation tools and test methodologies analogous to industry-standard quality verification processes.	

INTERNSHIP

Electronics Department, Zhizhou Tech , Chengdu	<i>Intern, 9/2023-3/2024</i>
◆ Responsible for writing and updating technical documentation for a range of company products.	

PUBLICATION

Broadband multifunctional metasurface based on voltage-tunable VO2	<i>05/2023</i>
◆ Lunhao Hu and Hao Xu, Proc. SPIE 12748, 5th International Conference on Information Science, Electrical, and Automation Engineering (ISEAE 2023), 127482D (10 August 2023)_doi.org/10.1117/12.2689769	

STUDENT WORK

Propaganda Department, Electronics Association, Chengdu University of Technology	<i>07/2021-07/2023</i>
◆ Took part in the planning of major events on campus, such as the Junior and Senior Electronic Design Competitions.	
◆ Participated in the management of the Association's official account.	

HONOR

◆Excellent Student & Excellent Student Leader	<i>2022-2023</i>
◆Outstanding Graduate of Chengdu University of Technology	<i>2024</i>