

Charles Lo

1423 Monroe Street | Madison, WI, 53711 | clo34@wisc.edu | 4088381186 | [LinkedIn](#) | [Github](#)

EDUCATION

University of Wisconsin-Madison | Madison, WI

Graduation: *Expected May 2026*

Bachelor of Science: Computer Science, Physics Cert., Entrepreneurship Cert.

- Relevant Coursework:
 - *Electrical Engineering: Signals and Systems (ECE330), Signals Information and Computation (ECE203), Physics - Electricity and Magnetism (PHYSICS202), Digital Systems Fundamentals/ Verilog (ECE352)*
 - *Computer Science: Algorithms (CS577), UI/UX(CS571), Object-Oriented-Programming/ Data Structures (CS400), Machine Organization (ECE354)*

ENGINEERING EXPERIENCE

Lintes Technology Co. Ltd | New Taipei City, Taiwan

May 2023 – August 2023, June 2024 – August 2024

Radio Frequency and Signal Integrity Engineer Intern (2023), Firmware Engineer Intern (2024)

- Set up testing environments for various high-speed interconnects
- Evaluated the signal impedance, insertion & return loss, and mode conversion of different high-speed interconnect channels through s-parameters with vector network analyzer
- Designed digital microcontroller switches via Python
- Assisted with engineering prototype debug through HFSS (mechanical)
- Assisted with Optical Lazer intensity testing
- Simulated transmission line properties through qucs studio
- Performed low cost BER Tests on DAC cables (use of C and C#)
- Set up testing machines in production line

Sales Intern

- Participated in the 2023 & 2024 Taipei COMPUTEX as an exhibitor
- Proofread and translated company profile slides

Taipei American School | Taipei, Taiwan

June 2020 – July 2020

Teaching Assistant | MS Robotics Department

- Assisted with the instruction in two courses (Java Programming, Python and Microprocessors)
- Guided students through individual programming projects
- Supervised students during breaks

ADDITIONAL EXPERIENCES/ CLUBS

University of Wisconsin – Madison College of Engineering | Madison, WI

September 2023 – December 2023

PSP Student Ambassador

- Provided Tours to visiting students and families

University of Wisconsin | Madison, WI

September 2022 – January 2024

Badgerloop (Low Voltage/ Firmware Team Member)

Table Tennis Club (Co- Vice President/ Tournament Director)

Team USA | Cali, Colombia

Athlete (Table Tennis) – Competed in the 2024 III FISU America Games

November 2024

SKILLS & INTERESTS

Technical: Java, MATLAB, React.js, Python, OpenCV, C, Oscilloscope, VNA, Probe Station,

Languages: English (Fluent), Mandarin Chinese (Fluent), Spanish (Intermediate)

Interests: HCI, OOP, Embedded Systems, Robotics (Firmware), Table Tennis