Jaewon Lee

6510 Jacobs Hall, 9500 Gilman Dr, La Jolla, CA, 92093
+1-619-953-8982   jwl@ucsd.edu
in linkedin.com/in/JWLMAY github.com/JWLMAY

Research Interests

My interests are, but not confined to:
- Computer Architecture, Low-Power Computing, HW/SW Co-Design

Education

University of California, San Diego   **La Jolla, CA**
Ph.D. Computer Engineering   *Sep 2025 – June 2030 (Expected)*

Yonsei University   **Seoul, Korea**
B.S. Electrical and Electronic Engineering   *Mar 2019 – Feb 2025*
- Cumulative GPA: 4.13/4.3
- Academic Honors (Dean's List): 2019, 2023, 2024
- Relevant Courses: Computer Architecture, Advanced Programming, Data Structures & Algorithm, Microprocessor, Advanced Computer Architecture, Embedded Systems Lab., Operating Systems

Professional Experience

ETRI, Supercomputing System Research Section   **Daejeon, Korea**
Undergraduate Research Intern   *Jan 2025 – Feb 2025*
- Near-Memory Computing in CXL Switches
- Thermal-Aware Computing in RISC-V SoCs

Yonsei Univ., Embedded Systems and Computer Architecture Lab (eSCaL)   **Seoul, Korea**
Undergraduate Research Intern   *Jan – June 2024*
- Advisory Prof.: Won Woo Ro
- Thesis: *Wire Latency Effects and Optimization Methods on GPU Last-Level Cache Extension*

Yonsei Univ., Digital Signal Processing & Artificial Intelligence Lab (DSP&AI)   **Seoul, Korea**
Undergraduate Research Intern   *Jan – Feb 2020, Apr – May 2022*
- Advisory Prof.: Hong-Goo Kang
- Assisted industry project on *AI Speech Synthesis Using VoxCeleb Dataset*
- Created teaching materials for *Electrical and Electronic Engineering 101 course*

Republic of Korea Army, 60th Infantry Division   **Gyeonggi, Korea**
Sergeant   *Jul 2020 – Jan 2022*
- Managed: Server (AS/DB), Network Switch, Crypto Device, Network Access Control

Skills

Human Languages: English (Fluent), Korean (Native)
Computer Languages: C/C++, Python, RISC-V assembly, x86-64 assembly, Verilog HDL, MATLAB
Simulators/Tools: GPGPU-sim, GDB, Vivado/Vitis, PSpice (OrCAD), EagleCAD

Community Service

Math/Science Tutoring for the Underprivileged   *Mar – June 2019*
Book Translation for Developing Countries (Laos)   *April 2014 – July 2018*