Taylor Kim

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Education

University of Washington, Seattle, WA

Bachelor of Science in Electrical and Computer Engineering

Graduation: May 2024 | GPA: 3.80/4.0

Relevant Coursework: Analog Circuits, Power Electronics, Control Systems, Electromagnetics

Experience

Power Electronics Intern | Eaton Corporation | Summer 2023

- Designed power supply circuits and simulated converters using LTspice

- Performed testing on high-voltage components for industrial applications

- Assembled lab setups and documented efficiency measurements

Lab Assistant | UW Electrical Lab | Jan 2023 - May 2023

- Helped students debug analog circuit designs during lab sessions

- Maintained lab equipment and calibrated measurement tools

Technical Skills

- Circuit Design & Analysis

- LTspice, Multisim, MATLAB/Simulink

- Power Systems, Analog Filters

- Oscilloscopes, Function Generators

Projects

Solar Battery Charger with MPPT

- Designed a DC-DC converter with MPPT algorithm on a TI MSP430

- Measured and optimized energy efficiency under varying load conditions

Soft Skills

- Precision and Accuracy

- Hands-on Troubleshooting

- Technical Communication

- Initiative