

# Electrical Sample [CLICK HERE FOR THIS FORMAT](#)

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## Education

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**University of Portland**, Portland, OR

May 20XX

*Bachelor of Science, Electrical Engineering*

GPA: 3.45

## Skills & Interests

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*Technical Skills:* Verilog, Assembly, Java, C++, C, Python, B2Spice, Eagle, Fusion 360, Circuit Analysis, Signals and Systems

*Interests:* Running, weightlifting, working on personal projects (i.e. temp alert system)

## Academic Experience

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### Verilog Digital Systems Modeling

August 20XX – December 20XX

- Acquired proficiency in hierarchical modeling methodologies, utilizing Verilog HDL for developing complex digital hardware designs.
- Practiced gate-level, data flow, and behavioral modeling to create modular and reusable designs.
- Improved system efficiency and reliability through rigorous simulation and testing.
- Collaborated on projects with team to design, and simulate digital circuits, emphasizing communication and coordination skills.

### Embedded Systems Design

August 20XX – December 20XX

- Developed initial knowledge of microcontroller instruction set architecture, including assembly language programming, processor-to-memory interfacing, and I/O device integration.
- Designed and implemented a microcontroller-based embedded system, incorporating timers, interrupts, UART/I2C serial communication, and analog-to-digital converters.
- Gained experience configuring hardware and software interfaces to optimize system performance and reliability under resource constraints.
- Applied systematic debugging techniques to troubleshoot and resolve issues in embedded systems, enhancing their stability and effectiveness.

## Related Experience

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**Student Worker**, Barnes & Nobel Campus Bookstore, Portland, OR

January 20XX – Present

- Provide helpful and friendly customer service, assist students with textbook purchases and school supplies during busy times including the start of the semester.
- Process an average of 50 transactions per shift with accuracy, helping maintain smooth operations during peak hours.
- Use point-of-sale systems and inventory software to handle sales and restocking.

**Temperature Alert Project**, Independent Project, Portland, OR

May 20XX – August 20XX

- Designed and implemented a temperature monitoring system using a microcontroller and LED indicators to display temperature levels and trigger alerts when a threshold was exceeded.
- Programmed the microcontroller to process sensor data and control LEDs based on predefined temperature limits, ensuring accurate and reliable system behavior.
- Built and tested the circuit on a breadboard, troubleshooting wiring and code to optimize performance and minimize power consumption.

## Additional Experience

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**Member**, IEEE, University of Portland Chapter

January 20XX – Present

**Member**, University of Portland Robotics Club

January 20XX – Present

**Mentor**, High School Robotics Team, Sacramento, CA

September 20XX – June 20XX