Kobe Goodwin
Fargo, ND 58102
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612-500-6720

February 2nd, 2025

Hiring Manager Vishay Intertechnology, Inc.
1505 SD-50 Yankton, SD

Dear Hiring Manager,

I am excited to apply for the Engineering Internship at Vishay Yankton, SD. With a background in Computer Engineering and hands-on experience in programming STM and ESP microcontrollers, reviewing PCB schematics, and using test equipment, I am eager to contribute to Vishay's innovative projects. My previous internship at Signum provided me with a solid foundation in engineering principles and problem-solving skills.

I am drawn to Vishay's commitment to impactful technologies across diverse industries. Currently pursuing a Bachelor's degree in Computer Engineering and graduating this May, I am well-prepared for the responsibilities outlined in the job description, from troubleshooting to designing test equipment.

I look forward to the opportunity to contribute to Vishay's mission and collaborate with a talented team. Thank you for considering my application.

Sincerely,

Kobe Goodwin

KOBE GOODWIN

Fargo, ND 58102 • 612-500-6720 • Kobe.Goodwin@ndsu.edu

Motivated and quality-oriented student aiming to obtain a computer engineering internship.

EDUCATION

BS Computer Engineering, North Dakota State University, Fargo, ND, May 2025

- Finishing degree from an ABET-accredited program
- *Awards*: Dean's List (5), Tau Beta Pi Honor Society, GPA 3.8/4.0

EXPERIENCE

Embedded Firmware Intern: Signum
01/2025 – Present Fargo, North Dakota

- Programmed STM/ESP microcontrollers; prepared code for review
- Reviewed PCB schematics; used test equipment; designed wire harnesses

TECHNICAL SKILLS

- *Proficient:* Python, C, Java, GitHub, MATLAB, VHDL, Microsoft Office
- *Familiar:* PIC and MIPS assembly language, LTSpice, Fusion360

PROJECTS

Senior Design III Project: Reverse Polish Notation Calculator
08/2024-Present

- Designed a PCB connecting a Raspberry Pi Pico to push buttons and LCD
- Embedded software programming using MicroPython
- Source control software experience with precise documentation

Senior Design I Project: Light Sensor
01/2024-05/2024

- Designed a PCB which powers an LED in response to low light conditions
- Implementation of Schmitt Trigger operational amplifier and transistors
- Experience planning project deadlines with a Gantt Chart

EXTRACIRRICULARS

Society of Automotive Engineers

- Collaborative circuit design, testing, and implementation to design an electric vehicle