Kobe Goodwin  
Fargo, ND 58102  
thekoveto@gmail.com  
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