Kobe Goodwin  
Fargo, ND 58102  
thekoveto@gmail.com  
612-500-6720  
  
February 2nd, 2025

Hiring Manager John Deere Dubuque Works  
18600 S John Deere Rd, Dubuque, IA  
  
Dear Hiring Manager,

I am writing to express my interest in the part-time Electrical Engineering position at John Deere Dubuque Works. Currently pursuing a B.S. in Computer Engineering at North Dakota State University, I have developed strong skills in electronic hardware through internship, school projects, and extracurricular activities.

In my recent internship at Signum, I programmed STM and ESP microcontrollers in C/C++, reviewed PCB schematics, and designed wire harnesses. Additionally, I have hands-on experience with electrical testing, problem-solving, and collaborating with teams to meet project deadlines.

I am excited about the opportunity to contribute to John Deere's innovative projects and help solve electrical issues for construction machine platforms. Thank you for considering my application. I look forward to the possibility of discussing how my background aligns with the needs of John Deere.

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