

KOBE GOODWIN

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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

Engineers Without Borders

- Vice President duties including Chapter communications and leading meetings
- Designed and implemented water distribution system in La Providencia, Guatemala

Society of Automotive Engineers

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