KOBE GOODWIN

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Motivated and quality-oriented student aiming to obtain an embedded software 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

TECHNICAL SKILLS

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

PROJECTS

Senior Design II 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 C and 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

COURSEWORK

- Control Systems
- Embedded Systems
- Signals & Systems
- Computer Organization
- FPGA Programming
- Electronics / Circuits

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

EXPERIENCE

Crew Member: McDonald's Corporation
05/2022 – Present Fargo, North Dakota

- Enthusiastic customer service including order taking and food delivery
- Critical thinking resolving device malfunction, customer conflict, and register operation