

Noah Bergman

Noah.BergmanEE@gmail.com

NoahBergman.com

(651)-247-7668

Education

Bachelors in Electrical Engineering

Iowa State University of Science and Technology

Ames, IA

2011 - 2016

Relevant Work Experience

Altec Industries

Controls Engineer

St. Joseph, MO

2016 - Present

- Lead electrical designer for multiple projects
- High-speed circuit design for eMMC, USB 2.0, and SPI technology
- D p;/
- Designed product to exceed vibration, thermal, and EMI/EMC specs

Altec Industries

Electronics Manufacturing Engineer

St. Joseph, MO

2015

- Identified more than \$70,000 in annual savings while leading monthly cost events
- Designed manufacturing layout for SMT equipment

ETG Electronics Shop

Shop Assistant

Ames, IA

2014 - 2016

- Developed and tested labs for TI's TIVA C series ARM-M4 processor in C
- Designed remote datalogging device with LCD UI, navigation buttons, and ADC module

Project Experience

Power Distribution Module

Altec Industries

2017

- Lead electrical engineer for module controlling 15 relays and 2400W
- EMI/EMC, vibration, and thermal for ISO and EN compliance.
- Worked with CM's to meet budget goals and improve manufacturability
- Extensive use of CANape and CANKing during testing and debugging
- Developed low-voltage relay disconnect and IO monitoring circuitry

Heads - Up - Display for a Manufacturing Microscope

Honeywell - Senior Design

2015 - 2016

- Designed optical system and circuit board to integrate with DLP Display
- Worked with ARM-M4 and MSP430 to create user interface
- Experience with HDMI and other Digital Video protocols

Capacitive - Touch Rubik's Cube (LED Cube)

Personal

2014-2015

- MSP432 running TI-RTOS, 36 TLCs, IMU, Bluetooth
- Custom designed capacitive touch zones for 2D scrolling
- Collaborative software development in C/C++
- I2C, SPI, USB 2.0 connected peripheral devices and debugging applications
- Worked on schematics and layout in Multisim / Ultiboard