

Noah Bergman

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(651)-247-7668

Education

Bachelors in Electrical Engineering

Iowa State University of Science and Technology

Graduation: May 2016

GPA: 2.7

Ames, IA

2011-Present

Relevant Work Experience

Altec Industries

Electronics Manufacturing Engineer

- Learned industry standard software and best practices while designing alarm system
- Automated bill of materials import from Altium to SolidWorks using Visual Basic
- Identified more than \$60,000 in while leading monthly cost events

St. Joseph, MO

Jan.-July 2015

ETG Electronics Shop

Shop Assistant

- Developed and tested labs for ARM-M4 processor in C
- Designed doorbell with data logging and several peripheral devices
- Worked with professors and students to advise and troubleshoot various projects

Ames, IA

2014-Present

Extracurricular

Engineers for a Sustainable World (ESW)

Vice President (Current), President, VP of International Projects

2012-Present

Institute for Electrical and Electronics Engineers (IEEE)

Vice President(Current), Project Chair, Web Media Chair, Project Leader

2012-Present

Habitat for Humanity

International and Local Volunteer

2010-Present

Water Polo Club

2011-2014

Project Experience

Heads-Up-Display for Microscope Manufacturing

- Designed optical system and circuit board to integrate with DLP Display
- Worked with ARM-M4 and MSP430 to create user interface applications in C
- Experience with HDMI and other Digital Video protocols
- Full-System will be compatible with most microscopes

Honeywell - Senior Design

Present

Capacitive Touch, LED, Rubik's Cube

- MSP432 running TI-RTOS, 36 TLCs, IMU, Bluetooth
- Custom designed capacitive touch zones for 2D scrolling
- Collaborative software development in C/C++

Personal

2014-2015

Solar Street Light

Project Leader

- Designed and programmed light controller and solar battery charger
- Experimented with XBee, ADCs, and Light Detectors
- Developed understanding of work flow and multi-disciplinary collaboration

ESW

2013-2014

Water Collection System in Nicaragua

Project Leader

- International project opportunity in Nicaragua with local NGO
- Collaborated on design for ferro-cement water tank for irrigation
- Worked with peers and study abroad office to develop Risk Management Plan

ESW

2014-2015

Skills

Proficient in: C, MATLAB Scripts, Visual Basic, HTML, \LaTeX

Basic Knowledge in: C++, Python, Verilog HDL

Software: MATLAB Simulink, SOLIDWORKS(r), AutoCAD(r), Altium, KiCad, Eagle, Multisim, Code Composer Studio, Visual Studio