

# Noah Bergman

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NoahBergman.com

## Education

### Bachelors in Electrical Engineering

Expected Graduation: May 2015

GPA: 2.7

Iowa State University

2011-Present

## Experience

### Altec Industries

*Manufacturing Engineer Coop: Electronics*

- Designed alarm unit for fiberglass resin tanks
- Automated Altium to Solidworks BOM using Visual Basic
- Designed process flow for proposed SMT production line

St. Joseph, MO

Jan.-July 2015

### CSG Electronics Shop

*Shop Assistant*

- Designed testing unit for servos, op-amps, and transistors
- Troubleshooted and repaired lab equipment and printers

Ames, IA

2014-Present

### Swim America

*Private Swim Instructor*

Ames, IA

2011-2013

## Extracurricular

### Engineers for a Sustainable World (ESW)

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

2012-Present

### Institute for Electrical and Electronics Engineers (IEEE)

*Project Chair(Current), Web Media Chair, Project Leader*

2012-Present

### Habitat for Humanity

*International and Local Volunteer*

2010-Present

### Water Polo Club

2011-2014

## Project Experience

### Two-Wheeled, Bluetooth Balancing Robot

*Small robots equipped with MSP432, IMU, and BLE/ANT*

Personal

Present

### Project $\mu$ Cube

*Capacitive Touch, LED Rubiks cube designed for Raspberry Pi*

- MSP432 with TI-RTOS, 108 TLC Channels, 25 touch zones

Personal

2014-2015

### Solar Street Light

*Electrical Project Leader*

- Designed controller and charger for solar light

ESW

2013-2014

### Water Collection System in Nicaragua

*Project Leader*

- Designed rain water collection tank for irrigation in Nicaragua

ESW

2014-2015

### TV-B-Gone and Color Organ

*Project Leader*

- Demonstrated basics of embedded programming, schematic and PCB design

IEEE

2013-2014

## Awards

### Award for Competitive Excellence

*Recurring Award*

Iowa State University

2011-Present

### North Suburban Kiwanis Leadership Award

*Recognized Leader in Volunteer Opportunities*

Roseville, MN

2011