

# Evan Widloski

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github.com/evidlo

## Education

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### **Purdue University** (GPA 3.57)

2013-2017

- Junior, Double major in Electrical Engineering and Mathematics

## Technical Skills

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- EagleCAD, KiCAD, SPICE, Solidworks
- Embedded programming, h-bridges, filter design

### **GNU/Linux**

- Primary OS for 4+ years

### **Programming Languages**

- Strongest in Python, C
- Familiar with Bash, Octave, Awk, LaTeX

## Experience

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### **Qualcomm** - CoreBSP Security Team

2015

- Developed SDK in C to emulate access to hardware peripherals for use by mobile phone OEMs

### **Purdue Orbital Team**

- Designed node based communication and sensor system

2015-present

### **Purdue IEEE ROV Team** - Electrical Team Lead

- Designed a compact, addressable motor controller for use in a submersible vehicle
- Designed layout for custom signals-processing board, the 'brain' of the vehicle
- Designed custom sensors board which controls the submersible's peripherals
- Designed powerline communications system to reduce cable size and drag in water
- Managed electrical team members and oversaw project completion

2013-2015

2012-2013

### **Massey Electric Company and Millwright** - Paid intern

- Drafted complete model of solar shelter in Solidworks. Verified UL compliance of solar hardware

### **FIRST Robotics Team 4504** - Founder, Project Manager

- Created team at Maryville High School, TN. Won 1<sup>st</sup> place rookie team in Smokey Mountain Regionals

2012-2013

## Community Service

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### **Purdue Engineering Projects In Community Service (EPICS)** - Project Manager, Design Lead

2013-present

- Developed Django website for indexing campus organizations, Gave EagleCAD classes for credit

### **Purdue Linux Users Group** - President, Presenter

- Gave classes on using various Unix tools, promoted FOSS

2013-present

## Projects

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See [evanw.org/projects](http://evanw.org/projects)