

## Photovoltaic Design & Installation with Solar Barn Raising

### I. Background

Solar Barn Raising is a local non-profit group providing support to homeowners interested in a do-it-yourself approach to installing their own solar photovoltaic (PV) system. They have installed nearly 100 systems to date (around 500,000 Watts in total)!

They are looking to hire interns to support the design and installation of these systems. Interns will be trained by an electrical engineer with extensive solar training and experience. They will then be responsible for the design and installation of PV systems for their clients.

### II. Purpose

The purpose is to provide students an opportunity to learn and gain experience in PV design and installation, as well as to inspire the next generation of renewable energy experts and advocates.

### III. Duration

Internships will start as early as March with opportunities to extend during the next academic year. Hours are based on demand, but average 20+ hours per week. Start dates as late as early June may be considered.

### IV. Activities

Interns will be expected to:

1. Participate in training on PV design and installation
2. Design and lead installation for their clients with the support of engineers at Solar Barn Raising

### V. Qualifications

1. An interest in renewable energy, specifically solar power
2. A basic understanding of electrical circuits, including knowledge of National Electrical Code (NEC)
3. Experience using AutoCAD
4. Strong interpersonal and oral and written communication skills

### VI. Benefits

1. Training in solar PV design
2. Opportunities to lead design and installation of PV systems
3. Pay of \$10-12 per hour depending on experience (you're paid while training and gas is reimbursed for travel to work sites)

### VI. Application process

Resumes and cover letters should be sent to John Lyle at [john@engsol.com](mailto:john@engsol.com) by **April 1**. Cover letters should address interest in PV and availability. Applicants will be notified by April 15, 2018.

