

Andrew Eselby

Member, EWB - Engineer's Without Borders

Royersford, PA - Email me on Indeed: [indeed.com/r/Andrew-Eselby/86bf573e5b024768](https://www.indeed.com/r/Andrew-Eselby/86bf573e5b024768)

WORK EXPERIENCE

Member, EWB

Engineer's Without Borders - 2011 to Present

Member, BSA

Boy Scouts of America - March 2005 to Present

Eagle Scout, March 2, 2011

Senior Project

Widener University - March 2014 to May 2015

Group project that focused on using kinematics and deformable bodies knowledge to design and manufacture a fully autonomous tilling and seeding machine

- Designed and implemented the tools for shifting, throttle, and blade engagement

Computer Skills

Microsoft Word, Excel, PowerPoint, Solid Works, Pro Engineer, MATLAB

Activities

Inspector (co-op)

Geo-structures - King of Prussia, PA - January 2014 to August 2014

Oversaw various projects in and around Philadelphia involving building construction and renovations

- Reviewed structural drawings for reinforcement and concrete for each project
- Tested and checked various aspects of each project such as concrete, rebar reinforcement placement, and soil compaction using a nuclear density gauge

Inspector (co-op)

Philadelphia International Airport - Philadelphia, PA - August 2012 to January 2013

Oversaw the remodeling of the airport restrooms

- Reviewed mechanical and electrical schematics for air ducts, plumbing, fire alarms, and overhead lighting
- Worked closely with contractors and oversaw all progress made on the restroom renovation according to the specifications made by the architect

EDUCATION

Bachelor of Science in Mechanical Engineering

Widener University - Chester, PA

May 2015