

Shawn Davis

Senior Design Team Leader - Drexel University

Bensalem, PA - Email me on Indeed: [indeed.com/r/Shawn-Davis/c8e5159b1385c4f7](https://www.indeed.com/r/Shawn-Davis/c8e5159b1385c4f7)

WORK EXPERIENCE

Mechanical Design Engineer

OEM Group Inc. - Coopersburg, PA - June 2013 to Present

Responsibilities

- Performed on-site engineering support for in-house manufacturing facility.
- Assisted in the redesign and improvement of various components utilized in the Centillio product line.
- Designed additions/modifications to existing tool structure/components, as well as custom modifications to various tool support products per client requests.
- Utilized Pro-Engineer and SolidWorks to provide detailed drawings/3D models to vendors and clients operating OEM Group Inc. semi-conductor wafer processing tools.
- Clearly demonstrated advanced problem solving abilities by performing frequent operator technical support for a wide variety of client issues involving specifically the Centillio product line.

Senior Design Team Leader

Drexel University - Philadelphia, PA - September 2012 to June 2013

- Designed and implemented overall project plan and schedule
- Designed potentially patentable trolley mechanism to be utilized in design
- Served as chief liaison to client currently funding project
- Worked collaboratively with members from both the LeBow College of Business & Antoinette Westphal College of Media Arts and Design

Mechanical Engineer Co-op

PECO Energy - Warminster, PA - September 2011 to March 2012

- Devised and assisted in implementation of mechanical based outage prevention tools
- Performed system productivity and efficiency analysis for multiple installations
- Performed a wide variety of both system and outage analysis
- Spent extensive time in the field surveying and analyzing mechanical components of the electrical grid
- Analysis of outage location grids for implementation of various reliability improvement devices
- Worked in close collaboration with the drilling/conduit laying team

Mechanical Engineer Co-op

Tangibl LLC - Yardley, PA - September 2010 to March 2011

- Produced drawings utilizing AutoCad 2011 and ProEngineer
- Designed and performed efficiency analysis on regenerative heat exchanger designs
- Performed revisions on current work under supervision of Project Engineer
- Worked closely with Senior Engineers in office settings as well as field work

Assistant Engineer Coop

Jacobs Engineering Group - Trevose, PA - September 2009 to March 2010

- Assisted in dynamic structural analysis using FEA
- Aided in MicroCad Design for Project Manager
- Created technical graphics for both public and corporate display by utilizing Adobe PDF

Editor, Photoshop, and ProEngineer

EDUCATION

Bachelor of Science in Mechanical Engineering; GPA: 3.40

Drexel University - Philadelphia, PA

2008 to 2013

SKILLS

2D/3D modeling and drafting

ADDITIONAL INFORMATION

Computer Skills

- AutoCad, SolidWorks, MicroStation, ProEngineer, Adobe Photoshop, MATLAB, LabView, Quark Express, Google SketchUp