

# Daniel J. Cox

Address: 526 Cleveland Dr.  
Lower Burrell, PA  
15068

Cell: (724) 681-9718  
Email: djc5031@psu.edu  
Web: www.personal.psu.edu/djc5031

*"Tell Me and I Will Forget, Teach Me and I Will Learn, Involve Me and I Will Remember."*

*Confucius*

**Education:** **The Pennsylvania State University**  
5<sup>th</sup> Year Student – May 2010 Graduation  
Bachelor of Architectural Engineering  
Electrical/Lighting Option  
-*E.I.T. Status Upon Graduation*  
-*B.I.M. Focused Thesis*

**Computer Skills: Software**

- AGI
- DaySim
- Revit v9.0
- Auto CAD 2009
- COMCheck
- Adobe Photoshop
- Microsoft Office 07 Applications
- Cummings Gensize Software
- Tekla Structures – X-Steel

**Related Experience:** **SmithGroup, Inc.**, Washington D.C. Summer 2009  
*Lighting / Electrical Designer*

Involved in many projects including **Life Safety** evaluation for existing buildings, **Lighting Retro Fit** design for Historical Chapel, Parking Garage Lighting design with AGI Software, 3D Auto CAD model for **PV Panel & Solar Study** for Smithsonian Arts and Industry Building, **Riser Diagram** drawings, **Preliminary Feeder Calculations**, **Generator Sizing and Stepping** using **Gensize**, Site Installation Testing on IG Panels, and strong focus on reading understanding and **NEC** and its application in design.

**PDIAE, Inc.**, Pittsburgh, PA Summer 2008  
*Electrical Designer*

Designed **Electrical layouts**, **Electrical and Lighting Plans**, **Panel Schedules**, **Circuiting**, work on **Fire Alarm System Upgrade**, creating the companies first **Detail handbook**, helped create an **Excel Spreadsheet Template** to calculate diversified and feeder loads, and used **COMcheck** to ensure the designs met code.

**Structural Detailers, Inc.**, Brackenridge, PA Summer 2007  
*3D Modeler and Connection Detailer*

From a 3D model, created construction documents, connection details, and steel fabrication mill orders using **Tekla Structures**.

**Work Experience:** **Oakmont Country Club**, Oakmont, PA Summer 2003 – 2006  
*Lifeguard & Swim Team Coach*

Maintained swimmer safety and helped maintain the pool mechanical systems. Taught beginner swimming lessons and advanced strokes for competitive swimming. Helped organize practices and swim meet line ups for the club's swim team.

**References:** Available upon request