

Stefan Soder

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Software Proficiencies:

MS Excel
MS VBA for Excel
Microsoft Access/SQL Fundamentals
MATLAB
Tableau
Autodesk AutoCAD/Inventor/NASTRAN
In-Cad

Python 3.x:
NumPy, Pandas,
Matplotlib, Seaborn,
SKLearn, Flask

Professional Experience

WILLIAM POWELL VALVE CO.

Project Engineer

Nov. 2015 - Present

- **Led projects for infrastructure and capability improvements** by coordinating with internal business units and external consultants to guide implementations of improved calculation software and data management systems.
- **Conducted individualized new employee training** in coordination with Human Resources to ensure that new hires in non-technical business units were given requisite foundational knowledge of Powell Products and systems.
- **Provided mentorship and training for new-hire Engineer** including education in industry standards and organizations (API, ASME, ASTM, MSS, ISO, etc.), detailed guidance and training of product and modification design, basic training in Python, Excel, and Access to ensure competent and independent use of company software tools.
- **Responsible for modeling and simulation of new and updated product and modification designs** utilizing Autodesk Inventor, NASTRAN In-CAD, and custom coded solutions to ensure compliance with customer needs and relevant industry standards.
- **Consistently and effectively communicate technical product information** to internal non-technical departments as well as product distributors and end users to provide troubleshooting guidance and engineered solutions.

ROBERT BOSCH AUTOMOTIVE STEERING, LLC.

Quality Engineer

Sept. 2014 - Sept. 2015

- Oversaw Part Production Approval Packages, PFMEAs, Control Plans, and Dimensional Reports
- Collaborated with Process Engineers to monitor and improve process efficiency
- Conducted audits to ensure product and process quality

DUKE ENERGY MIDWEST GENERATION

Co-op Program with IUPUI

Aug. 2011 - Aug. 2013

- Gibson Station Major Environmental Projects
- Fleet Consulting Services, Steam Turbine-Generator
- Performance and Metrics
- Edwardsport Integrated Gasification Combined Cycle

Education

PURDUE UNIVERSITY

B.S. Mechanical Engineering & Minor in Mathematics