

Justin Bellock

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Education

Illinois State University, Normal, Illinois

May 2016

Bachelors of Science

Major: Engineering Technology

Minor: Business Administration

Professional Experience

Chicago Bridge & Iron

May 2015- August 2015

Pressure Vessels Summer Drafting Internship

- Created and debugged programs within VBA.
- Worked with coworkers to meet various program needs.
- Developed tools for creating standardized drawings for flat-plate dimensions and 3D models.
- Worked within Excel VBA and Microstation to create tools for design.
- Gained knowledge of creating numerous fabrication drawings.
- Presented work to multiple groups teaching them developed programs.
- Created technical work instructions of how to use each tool.
- Attended weekly meetings gaining exposure to multiple project discussions and project management.

Bechtel Oil Gas & Chemicals Tank Business Line

October 2016- May 2019

Tanks Engineer

- Created detailed Fabrication and Installation drawings for shop and Field.
- Developed CAD engineering standards and practices.
- Administered innovation and quality development for Drafting.
- Created 2D and 3D drawings/models for ambient and cryogenic storage tanks.
 - Examples: Orientations, General Arrangements, Tank bottom layouts, Roof layouts, Spiral staircases, handrails, ladder & cages, nozzles, etc.
- Managed and standardized border files, templates, title blocks, and bill of material creation.
- Created Tools to aid in data management, drafting and design. (VBA and excel spreadsheets)
 - Bill of materials consolidation, Printing macros, Weight calculators, multiple automated drawing programs, and quality of life programs for tedious tasks, etc.
- Designed spreadsheets to be user friendly and wrote detailed work instructions for said tools.
- Debugged and updated newly created and existing programs while maintaining up to date change logs.
- Developed batch files to install/update tools based on newly made changes.
- Collaborated with a diverse background of people to develop a newly made business line.

Software

- Microsoft Word, Microsoft Excel, Auto Cad, Microstation, Tekla, Visual Basic for Application, NX, Autodesk Inventor, Mini tab, Rslogix 5000, ABB RobotStudio, Visual Studio, Microsoft Project, ProjectWise, Smart plant 3d