Robert Bradley Medlin

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 Seneca, SC 29672

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Education

* 2014 Graduate from Tri-County Technical College with an AS General Studies with an emphasis in Physics, Engineering Graphics and Mathematics
* 21+ years’ experience with CAD (AutoCAD and Autodesk Inventor, Bentley MicroStation, Master CAM) starting in 7th grade (2001)
* Certified Spatial Analyzer Advanced Operator on both Total Station CMM and Laser Tracker (API and Faro) CMM SME
* Certified Faro Laser scanner and Scene Software Operator SME
* Certified Professional in Autodesk Inventor

Work History

* Duke Energy Intern (May 2008-Aug 2008, May 2009-July 2009) – Weld Tech Support-worked with drawing tracking and document control. Compared the flow diagrams to Weld Documents and made corrections where necessary.
* Duke Energy’s Oconee Nuclear Station (May 2010-July 2017) – 3D design and Metrology (Subcontracted through Day & Zimmerman)
* Duke Energy Metrology Services (July 2017- Present) – Lead Metrology Designer (Subcontracted though BHI)

Additional Skills

* Subject Matter Expert in Metrology and 3D Modeling for Duke Energy Metrology Services
* Subject Matter Expert in these software suites: Autodesk Inventor, and AutoCAD, Faro Scene (Laser Scan Processing Software), Spatial Analyzer (portable CMM control software)
* Knowledgeable in Bentley MicroStation, Fusion Document Management, Consolidated Asset Suite, Microsoft Office Suite and Adobe Creative Suite
* High End Computing SME for Lenovo, Dell, AMD, Nvidia, and Intel and product development consultant

Additional Information

* Elected 2017 Site President and 2014-2016 Site VP of ONS YGN Chapter as a member of Duke Energy’s NAYGN Fleet Chapter
* Instrumental in creation of Metrology Services organization for Duke Energy – created business cases, proposals, cost estimates, ROI and value proposition documents
* Managed the day to day scheduling and task assignment of team as team lead
* Created database and file management processes for 32TB worth of Metrology, 3D model, Reality Capture, and supporting documents for Duke Energy Metrology Services
* Management of the Duke Energy Metrology Services group’s computers, and equipment and the associated vendor calibration program
* Created the procedures for non-team members to be able to access and utilize Duke Energy Metrology Services organization data
* Created processes and procedures for Data Acquisition in the field for Duke Energy Metrology Services and trained team members
* Single point of contact for technical information within team
* 10+ years continuous support of an operating Nuclear Power Plant
* 4+ years supporting Duke Energy’s entire utility group
* Developed Autodesk Inventor Certified Professional Exam as Autodesk Inventor SME
* Worked with computer hardware manufactures to test how their new products work in Reality Capture space

References

* Thomas Myers (Current Manager) – 828-472-0390
* Scott Rawson (Former Supervisor) – 864-650-2097
* Erica Noyes – 864-419-1769