

Stephen A. Mann

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EDUCATION

Bachelor of Science degree in Nuclear Engineering, minor in Engineering Mechanics – Class of 2012
The Pennsylvania State University – University Park, PA

EXPERIENCE

Halliburton Energy Services, Inc.

June 2014 – May 2019

Field Engineer (Production Enhancement)

Zanesville, OH 43701 and Homer City, PA 15748

- Identified extensive problems with documentation submitted to customers and informed management of the discovery with a recommended plan of corrective action that was implemented immediately.
- Created and led a review team that analyzed the accuracy of all aforementioned documentation and received positive customer reception for the improvements.
- Collaborated during continuous improvement events to design the next generation of Halliburton's main Production Enhancement program with full equipment, inventory, and process integration.
- Managed remote server system data and real-time remote operations of ongoing jobs.
- Operated as lead engineer for high-profile jobs of experimental technologies and provided detailed analyses on their application, performance, results, and recommendations on modifications for future tests.
- Supervised hundreds of jobs throughout the Northeast and ensured operations stayed on schedule and safely met environmental protocols and laws.
- Served as the main field liaison between operations personnel and customer representatives to facilitate cooperation and timely and accurate communication.
- Utilized CAD programs to create proper equipment placement within tight spaces.
- Worked with personnel from various disciplines in preparing innovative technologies, updating procedures, and testing newly-developed chemicals and materials to enhance the output of formations.
- Trained new engineers and crew members to efficiently and successfully run jobs on their own with knowledge of all job aspects.
- Conducted on-site testing of various materials for quality assurance and any compatibility issues.

Murtech, Inc.

June 2008 – June 2014

Engineer

Glen Burnie, MD 21061

- Created 3D CAD models and coordinated resources for the company's new proprietary product line for sea-based desalination utilizing wave energy.
 - Participated in the development of an environmental monitoring and sampling plan for the foregoing product line in response to requirements from the U.S. Army Corp of Engineers and the state of Maryland.
 - Modeled and presented a prototype for an enhancement of an existing CBRNE detection product for the Department of Defense (DoD), increasing product capability and durability while reducing field-carry size.
 - Diagnosed and resolved issues concerning the dry filter unit of a biological and chemical detection device for a DoD contract, reducing peak operating temperatures by over 50% and sound by 12db.
 - Incorporated 3D CAD modeling into various projects to facilitate the preparation of prototype specifications, designs, and material procurements, as well as guidance for prototype fabrication.
 - Utilized Microsoft Project to construct project plans, including key milestones, decision points, and budgeting.
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SKILLS

I am proficient in the use of Rhinoceros 3D, AutoCAD, SolidWorks, MATLAB, MS Office, MS Project, and VBA Editor; I have experience with Abaqus and ANSYS finite element analysis tools; and I am currently teaching myself coding in HTML and Python. I have also participated in Kaizen events and have training in continuous improvement processes.