

Samantha Brantley

spbrantley@msi-aqr.com
(860)878-1942

Training / Certifications:

- SAE International;** *AS913100 Supplemental Quality Management System Requirements* **December 19, 2022**
- SAE International;** *AS9100D Lead Auditor Training* **July 21, 2022**
- Online course focusing on standard requirements of AS9100D
- SAE International;** *ISO 9001:2015 Overview* **June 7, 2022**
- Online course focusing on standard requirements of ISO 9001:2015.
- NACE International Institute;** *NACE Coating Inspector Level 1* **November, 2021**

Work Experience:

- Management Systems Improvement LLC, Management Specialist** **June 2022 - Present**
- Perform internal audits in accordance with ISO 9001 and AS9100 standard requirements.
 - Develop internal audit methodologies and tools.
 - Quality system creation, implementation, maintenance, and management. Assistance in adhering to government regulations such as ITAR, CMMC, etc.
- General Dynamics Electric Boat, Senior Non-Metallic Materials Engineer** **March 2021 - June 2022**
- Provide abrasive blast and coatings-related technical support for VIRGINIA and COLUMBIA non-propulsion paint drawings.
 - Lead technical discussions during bi-monthly meetings directly interfacing with internal and external stakeholders including US Navy and NNS shipbuilding.
 - Create Engineering Reports for deviations to non-propulsion paint drawing and SHT installation drawing when necessary.
- Pratt & Whitney, Raytheon Technologies, Compression Systems Materials Analyst** **Dec. 2019 - March 2021**
- Coordinate business unit internal/external vendor thermal spray coatings to optimize material flow through the production floor.
 - Oversee raw material forging supply chain that supports F135, F119, and F100 military programs. Communicate with suppliers and vendors weekly to evaluate performance and mitigate potential program risk.
 - Manage final product allocations to support military business unit spares and engine programs. Monitor linear progress to achieve financial goals.
- Ulbrich Stainless Steels & Special Metals, Manufacturing Engineer** **June 2015 - Dec. 2019**
- Developed internal drawing requirements for new products to document critical dimensions and tolerances.
 - Utilized software simulations and finite element analysis to increase the predictability of trial outcomes, minimizing machine downtime and reducing overall production costs.
 - Maintained Quality Assurance software and measurement systems. Troubleshoot software and communicate with third-party suppliers whenever necessary.

Education:

University of Connecticut, Storrs, CT
Bachelor of Science in Engineering, August 2015
Materials Science and Engineering

University of New Haven, West Haven CT
Master of Science, April 2018 - Present
Environmental Engineering