

SAMANTHA CRAMPTON

MANAGEMENT SPECIALIST

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🌐 www.msi-aqr.com/meettheteam

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

WORK EXPERIENCE

Management Specialist

Management Systems Improvement, LLC / 2022 - Present

- Perform internal audits per 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.

Senior Non-Metallic Materials Engineer

General Dynamics Electric Boat / 2021 - 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 drawings and SHT installation drawings when necessary.

Compression Systems Materials Analyst

Pratt & Whitney, Raytheon Technologies / 2019 - 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.

Manufacturing Engineer

Ulbrich Stainless Steels & Special Metals / 2015 - 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.

CERTIFICATIONS

- SAE AS13100
- SAE AS9100D
- SAE ISO 9001:2015
- ISO 9001:2015
- NACE International
- NADCAP Prep

COURSE

PRI Training

NADCAP Audit Preparation

2024

SAE International

AS913100 Supplemental Quality Management System Requirements

2022

SAE International

AS9100D Lead Auditor Training

2022

SAE International

ISO 9001:2015 Overview - Online course focusing on standard requirements of ISO 9001:2015.

2022

NACE International Institute

NACE Coating Inspector Level 1

2021

