JASON CARNEAL

ENGINEER / PROJECT MANAGER / DATA SCIENTIST

CONTACT

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- Silver Spring, MD
- View Full CV

EDUCATION

B.S., Engineering Mechanics
Virginia Tech, 2001
M.S., Engineering Mechanics
Virginia Tech, 2004
General Assembly
Data Science, 2020, JavaScript, 2023
NRC Qualifications
Licensing PM, Rulemaking PM

SKILLS

- Artificial Intelligence
- Project Management
- Data Analysis / Visualization
- Nuclear Licensing / Oversight
- Programming / Automation
- Communication
- Teamwork
- Critical thinking
- Adaptability

ACHIEVEMENTS

Meritorious Service Award
Nuclear Regulatory Commission
2024
Group Performance Awards
Nuclear Regulatory Commission
2025 (2), 2024 (6), 2023 (2), 2022 (3)
Individual Performance Awards
Nuclear Regulatory Commission
2024, 2023, 2022(2), 2021, 2020

PROFESSIONAL OVERVIEW

I am a self-motivated individual who is always eager to learn and apply new skills. I have successfully performed various roles, including engineer, project manager, and data scientist. My current focus is advancing the use of artificial intelligence and automation to improve the efficiency of business processes and using data analytics to support data-driven decision-making.

RELEVANT WORK EXPERIENCE

Reactor Systems Engineer / Data Scientist
Nuclear Regulatory Commission, Rockville, MD | 2017 – present
- Apply artificial intelligence to enhance efficiency of regulatory processes, including operating experience and reactor oversight.
- Produce high quality operating experience datasets, visualizations, and search tools to support data-driven decisions.
- Deliver short-turnaround AI tools and data products for critical topics of interest (e.g., EO 14300 wholesale regulation review).

Project Manager (Rulemaking)
Nuclear Regulatory Commission, Rockville, MD | 2014 – 2017
- Managed complex and controversial rulemaking projects with high public, industry, and Commission visibility.
- Identified, assembled, and led working groups composed of technical, legal, and regulatory experts to accomplish high-priority agency activities.
- Provided regular briefings to high-level NRC management on status and progress of assigned tasks.

Program Manager (DDG-1000 Hull Form Plan)
NSWC Carderock Division, Bethesda, MD | 2011 – 2013
- Managed a large team of engineers, scientists, and technicians performing advanced computational methods, model scale testing, and ship hardware integration associated with DDG-1000.
- Regularly briefed stakeholders up to and including the Assistant Secretary for the Navy.

Project Manager (New Reactor Licensing)
Nuclear Regulatory Commission, Rockville, MD | 2008 – 2011
- Managed the safety review for Chapters 4, 6, 15, 17, and 19 of the U.S. EPR design certification review.
- Led a multitude of interactions on critical issues (e.g., fuel design, accident analysis, containment, and probabilistic risk assessment) including regulatory audits, public meetings, and ACRS meetings.
- Led reviews for associated combined license applicants.

To view my complete work history, click here. Thank you for your consideration.