

Russell J Shomberg

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EDUCATION

University of RI

Present | Narragansett, RI
MS Ocean Engineering

DoD Language Institute

April 2013 | Monterey, CA
AA Spanish

Boston University

May 2012 | Boston, MA
BS Mechanical Engineering

TECHNICAL SKILLS

CAD

AutoCAD · TurboCAD · SolidWorks
2D/3D Models · Drawings · GD&T

Web and Programming

MATLAB · Python · Linux/Unix
HTML · JavaScript · \LaTeX · and more

Electronics

Basic Circuit Design · Soldering
Arduino · Motor-control · Sensors

PROFESSIONAL SKILLS

Business Management

- Involved in every function of a growing small business.
- Ran daily operational planning councils for multiple military commands.

Teamwork and Leadership

- Regularly lead and integrated into diverse teams of all sizes.

Communication

- Comfortable speaking to and engaging groups any size or rank.
- Experienced in professional writing and presentation building.

CERTIFICATIONS

Engineer-in-Training Mechanical | July 2019

NCEES

Project Management Professional | September 2017

Project Management Institute

Inactive Reserve Officer | December 2017

United States Navy

EXPERIENCE

Undersea Robotics and Imaging Laboratory | Engineering Research Assistant

December 2018 - Present | University of Rhode Island

- Mechanical, electric, and control design for undersea soft robotics hydraulic engine.
- Software development for a clustered deep sea camera system.

Viking Equipment | Project Manager

April 2017 - September 2018 | Deep River, CT

- Managed design to installation of repair facilities for automotive dealership installations.
- Interfaced with customers, general contractors, architects, civil engineers, and service managers to develop facility requirements and ensure building design allowed for optimal equipment selection.
- Built detailed CAD models and working drawings of shop systems and equipment.
- Designed and managed installation of custom systems for pneumatic tools, fluid delivery, and exhaust removal.
- Built and ran processes and procedures for scheduling, proposals, inventory control, and invoicing to help automate business and create productive time for key employees.
- Conducted inspections and performed service calls to fix industrial hydraulic, pneumatic, and electrical systems and equipment.

United States Navy | Cryptology Officer (O-3)

May 2012 - December 2016 | Pacific Fleet

- Direct Support Officer Subsurface with four operational deployments and 12 training missions on six ships resulting in 20 detailed mission reports and 9 data packages.
- Appointed by Cyber Fleet Admiral as Direct Support Element Evaluation Officer responsible for certifying Direct Support Teams and cryptology equipment for deployment.
- Intel Department Head At Sea responsible for 15 sailors, platform security, and operational planning and direct adviser to the Commanding Officer.
- Division Officer responsible for training and administration of over 100 sailors.
- Watch Captain of a 9 sailor team responsible time relevant intelligence reporting to deployed ships and aircraft and multiple daily intelligence reports and briefs.