Robert B. Guild

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Education

Georgia Institute of Technology, Atlanta, Georgia
Bachelor of Science in Mechanical Engineering, Highest Honors
Commissioned via Georgia Tech NROTC

Assignments

USS EISENHOWER (CVN 69), Norfolk, VA
Chemistry and Radiological Controls Assistant, March 2025 - August 2025

USS EISENHOWER (CVN 69), Norfolk, VA
Division Officer/Watch Officer, August 2023 - March 2025

Naval Nuclear Power Training Command/Nuclear Power Training Unit, Charleston, SC
Student, June 2022 - July 2023

USS MOMSEN (DDG 92), Everett, WA
Division Officer/Watch Officer, October 2020-May 2022

Scholarly Output

Determining Bathymetric LiDAR Parameter Distributions Through Simulation and Optimization, Atlanta, Georgia
Fall 2019, Researched and developed novel machine learning algorithms for the optimization of multivariate simulation parameters in the creation of synthetic bathymetric LiDAR datasets. Determined the statistical distributions of parameters for which no current measurement exists. Modified existing simulation model to more accurately represent physical waveform characteristics. Conference Paper.

Professional Interests

Naval weapon systems development and implementation.
Naval engineering systems.
Nuclear power generation.
Ship handling and operations.
Principles of effective leadership.
Industrial maintenance management.