

Summary of Qualifications

- Ten years of experience in Naval Architecture, Ocean Engineering, and Technology Management
- Specialized expertise in design, analysis, and testing of deep sea anchors and mooring buoys, naval ships, offshore facilities, and piers and wharves

Experience

Technology Manager July 2014 - present

U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy
Wind and Water Power Technologies Office

Specializing in offshore wind energy, marine hydrokinetic energy, and renewable energy facilities

Ocean Facilities Engineer April 2009 - July 2014

Naval Facilities Engineering Command, Ocean Facilities Division

Project engineer, contractual and safety oversight for multiple concurrent waterfront and offshore projects

Acting NAVFAC Subject Matter Expert for Specialized Moorings (September 2010-July 2014)

Naval Architect October 2007 - March 2009

Naval Sea Systems Command, Future Ship Concepts and Force Architecture

Naval Architect and Hydrodynamics Test Engineer June 2004 - October 2007

Naval Sea Systems Command, Carderock, Seakeeping Division

Intern Naval Architect June - August 2003, Gibbs and Cox Naval Architects

Engineering Tutor January 2003 - May 2004, Engineering Academic Center, Virginia Tech

Education

Virginia Tech

Ocean Engineering M.S. May 2011, 3.6 GPA

Ocean Engineering B.S. May 2004, 3.2 GPA

Defense Acquisition University

Facilities Engineering Level III Certified, May 2011

Systems Engineering Level III Certified, August 2008

Science and Technology R&D Level II Certified, November 2008

NSWCCD Scientist and Engineer Development Program Graduate, June 2007, Carderock, MD

Long Reach High School Graduate, May 2000, Columbia, MD

Professional Certifications

Professional Engineer License Civil Engineering - Construction Management, Virginia, January 2011

Security Clearance Department of Defense, Secret Level, 2004-2014

U.S. Naval Facilities Engineering Command 40-hour Construction Safety Training January 2012

Awards and Activities

U.S. Patent Number 8,978,568 "Chain release apparatuses and methods", March 2015

Engineers Without Borders Washington DC Professional Chapter, Project Engineer, 2014-15

NAVFAC Atlantic Command Award for Outstanding Team of the Year, 2011

NSWCCD Command Award for Teaming, Hydrodynamics Department, 2006

James A. Lisnyk Award for Student Ship Design Excellence First Prize, 2004

Capitol Hill UMC Council Chairman, 2012-13, **Board of Trustees Chairman**, 2010-11

Vice President Wesley Foundation at Virginia Tech, 2003-2004

Eagle Scout Award Boy Scout Troop 874, May 1999

Sea Scout of the Year Sea Scout Ship 361, 1999-2000

Society of Naval Architects and Marine Engineers Member, 2002-present

American Society of Civil Engineers Member, 2010-2013