

Mallory Swanson

Naval Architect

Wilmington, DE - Email me on Indeed: [indeed.com/r/Mallory-Swanson/9272c3f3e4c6ef86](https://www.indeed.com/r/Mallory-Swanson/9272c3f3e4c6ef86)

Authorized to work in the US for any employer

WORK EXPERIENCE

Naval Architect / Engineering Team Lead

McKean Defense Group, LLC - Philadelphia, PA - July 2014 to Present

ENGINEERING TEAM LEAD

- * Create Cost Estimates and Project Schedules for each project
- * Manage personnel throughout project life
- * Perform technical reviews on Project Deliverables
- * Support vessel IPTs with Army and Navy Customers

ENGINEER

Participate in, organize, and manage shipchecks to access, document and recommend solutions to engineering issues on Army and Navy Watercraft

- * Develop Engineering Change Proposals for repairs and modifications to the Army Watercraft Fleet utilizing regulatory body requirements and best engineering practices
- * Research and provide drafting team with all design, structure, material and part details necessary to create installation, assembly and component drawings, as well as perform drawing reviews
- * Potable water piping, drain piping, and APC mechanical designs for CVN galley lifecycle upgrades
- * Provided electrical support during shipchecks for Cargo Weapons Elevator switch replacements on the LHD Class
- * Led up the effort to create As-Maintained Electrical Drawings for all of the Army Watercraft Vessels

Naval Architect

US Army Corps of Engineers, Marine Design Center - Philadelphia, PA - June 2012 to July 2014

Weight Estimates, Hydrostatics, Stability Calculations, Damage Calculations, General Arrangements

- * Write technical specifications for vessel construction contracts
- * Develop crane load charts
- * Plan, perform and report results of inclining experiments
- * Perform quality assurance during construction phase
- * Drawing reviews
- * Design vessels to various sets of standards; CFR, ABS, US Army Corps Safety Manual, etc.

Project Manager

- * Set and adhere to project schedules and milestones
- * Manage project funding

- * Interface with customers and contractors

NREIP Intern (Naval Research Enterprise Internship Program)

Naval Surface Warfare Center, Carderock Division, US Navy - Bethesda, MD - May 2011 to August 2011

Bethesda, MD May 2011-August 2011

NREIP Intern (Naval Research Enterprise Internship Program)

- * Using knowledge of the ship design process, tested a developing software interface

- * Worked with a team to develop a ship design based on an anti-piracy mission

Technogenesis Research Scholar

Davidson Laboratories - Hoboken, NJ - May 2010 to August 2010

- * Ran static roll stability, resistance, fording, wave survival, and water entry tests

- * Analyzed data and presented in report and poster presentation

EDUCATION

MBA in Finance

University of Delaware - Newark, DE

2016 to 2018

Bachelor of Engineering in Naval Engineering

Stevens Institute of Technology - Hoboken, NJ

2012

SKILLS

GHS (2 years), AutoCAD (3 years), Rhino (2 years), Weight Estimate (2 years)

CERTIFICATIONS

EIT

ADDITIONAL INFORMATION

Technical Skills:

E.I.T. issued by the state of Pennsylvania, June 13, 2013 [...]

Software: Excel, Project, Rhino, GHS, AutoCAD, DraftSight, SolidWorks

OSHA - 30-Hour Construction Safety and Health Course

Integrated Femap NEi Nastran Training Course

Maintain a Security Clearance