General Dynamics Electric Boat

The Welding Engineering Laboratory at General Dynamics Electric Boat in Groton, CT has an entry-level employment opportunity open for Materials Science and Engineering students who have recently graduated or are graduating in the spring.

The full job listing and application information can be found here: https://careers-gd-electricboat.icims.com/jobs/15416/materials-engineer-i/job

Materials Engineer I

General Dynamics Electric Boat is the nation's premier designer and builder of nuclear submarines for the United States Navy. This position is in the Electric Boat Welding Engineering Laboratory. The job involves planning, coordination and liaison with other EB departments, Newport News Shipbuilding, vendors, and the customer, and execution of the following specific functions and responsibilities:

- Provide “subject matter expertise” on metallurgical issues related to welding and welding consumables.
- Investigate new or modified welding consumables and issues with consumables.
- Responsibility for the quality, operability, and suitability of procured welding consumables to operate successfully in the shipyard, providing consistent attainment of weld metal mechanical properties and freedom from cracking.
- Conduct root cause operability investigations when shipyard welders report concerns with welding consumables.
- Conduct research and development investigations to develop and test new structural fabrication processes, procedures and welding consumables.
- Improve upon existing or develop new welding equipment, develop new or modify current welding methods, techniques, and procedures.
- Conduct research and development to support design efforts, modify construction requirements, and provide methods to address metallurgical concerns with welds.
- Evaluate new developments in the welding field (such as processes, equipment, and welding consumables) for possible application to current welding problems or production processes.
- Serve as project lead or technical lead on both in-house and externally funded development and process improvement/cost reduction tasks.
- Prepare technical reports as a result of testing, research and development, and investigations.
- Conduct welding consumable manufacturer audits along with Supplier Quality, as necessary.
- Develop and qualify welding procedures for specific applications by selecting appropriate welding processes, determining optimal welding parameter ranges, and utilizing appropriate qualification tests assemblies.

The requisition will only be open for applications from now until Sunday, February 16. For additional information, contact:

Jonathan Rasimas
Engineer II - Materials
General Dynamics Electric Boat
jrasimas@gdeb.com | 860-433-6219
UConn MSE Class of 2017