RONNIE P. KUPFER

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EXPERIENCE

General Dynamics Bath Iron Works - Bath, Maine June 2007-Present

- Functional Mechanical Engineer
  - Developed DDG 1000 and FFG(X) system diagrams, descriptions, and calculations for the following systems:
    - Firemain/Magazine Sprinkling/Compartment Sprinkling/Aqueous Film Forming Foam
    - Ship's Fuel System
    - Ballast/Deballast, Dewatering and Main Drainage System
    - Primary Damage Area Cooling System
    - Miscellaneous Piping System
  - Reviewed, interpreted, and incorporated Military Specifications, Naval Vessel Rules, Commercial Specifications, and Design, Build and Procurement Specifications into the design of systems
  - Provided construction support for DDG 1000 and DDG 51 class ships
  - Developed C++ console applications and Excel VBA code to increase efficiency
- Reliability and Maintainability Engineer
  - Performed system reviews to validate and optimize Reliability Centered Maintenance (RCM)
  - Moved maintenance tasks to a Condition Based Maintenance (CBM) philosophy
  - Supervised subcontractors performing ship maintenance

Clearance: Department of Defense Secret Security Clearance – Current

General Dynamics Electric Boat - Groton, Connecticut September 2003-June 2007

- Seawater Systems Engineer
  - Reviewed and generated changes to piping diagrams
  - Performed and reviewed piping system calculations
  - Updated Submarine Safety (SUBSAFE) Design Review Reports
- Provided construction engineering support at the Norfolk Naval Shipyard for the SSGN project
  - Worked with trades to resolve construction issues
  - Reviewed and generated drawing changes to facilitate construction
  - Supported work on electrical and structural systems
- Provided construction engineering support for the Virginia class submarine at the Norfolk Naval Shipyard and the New London Submarine Base

EDUCATION

Southern Maine Community College In process

- Associates of Applied Science in Computer Technology Cumulative GPA: 3.820/4.000

Southern Maine Community College May 2018

- Associates of Science in Computer Science Cumulative GPA: 3.810/4.000

Worcester Polytechnic Institute May 2003

- Bachelor of Science in Mechanical Engineering Cumulative GPA: 3.210/4.000

Quinsigamond Community College May 2003

- Associates of Science in Basic Engineering Cumulative GPA: 3.380/4.000

TECHNICAL SKILLS

Computer Programming and Engineering

- C#, JavaScript, PHP, Visual Basic/VBA, Java, C++, HTML5, CSS, Pro/Engineer, AutoCAD, SIMSMART, Fluid Flow, CATIA/ENOVIA

Certificates

- Microsoft Office Specialist – Microsoft Access 2013