

Russell R. Watters

Project Engineer/Project Manager

2002 to Present

Progressive Engineering & Design

Dresher, PA 19025

215-643-7152

Responsible for project engineering and management. Projects and clients of Progressive include Food Processing International, a cocoa bean processing plant, providing on-site engineering, project management and troubleshooting during start-up procedures. Also assisted in the engineering and design of HVAC systems for coal and gas fired power plants in the U.S.A., Ireland, Iraq and Qatar. Supervised the start-up, commissioning and balancing of a variety of airside and waterside HVAC systems. Recently achieved NEBB certification as a Building Systems Commissioning Supervisor. Currently preparing for EIT and P.E. tests to become a licensed professional engineer.

2000-2002

U.S. Navy

Pascagoula, MS

Navigation Specialist

Sailor of the quarter Q4 2001. Four Letters of Commendation, Navy Achievement Medal. Responsible for the selection, acquisition, installation, testing, and crew training of a computerized Global Positioning System. Worked with the Naval Space Warfare Command, providing feedback and testing for their ongoing electronic navigation chart software project. Collateral duty as computer network administrator, building the network from the ground up.

1994-2002

Delaware Valley Utility Advisors

Lansdale, PA 19446

Analyzed usage patterns and billing rates to conduct rate evaluations. Performed an effectiveness study of a power conditioner for an air compressor in a CNC machine shop. Modeled the heat flow from a manufacturing facility for a cost savings analysis. Found creative ways to monitor usage. Built a website to generate clients through the Internet.

1998-2000

Drexel University

Philadelphia, PA

Designed and built cost effective piezoelectric polymer vibration test platform for Philadelphia area manufacturer.

1995-1998

U.S. Naval Academy

Annapolis, MD

Related Coursework

Thermodynamics, power plant design, fluid mechanics, aerospace engineering, electrical engineering, materials engineering, structural engineering, engineering management, control systems engineering, machine design, robotics, computer aided design.

Computer Skills

Windows 9x/NT, Microsoft Office Suite, Web Design, AutoCAD 2007, Pro Engineer, LabView, C++, Visual Basic, Fortran, Matlab, PC hardware, Carrier ComfortView.