

Objective To contribute my experience in the Instrumentation & Control discipline in a professional technical and leadership role contributing to the growth of the company and my colleagues.

Professional Experience **2001 – 2005, 2009 - Present** **Whitman, Requardt & Associates, LLP**
Associate **Baltimore, Maryland**

- Developed and managed new independent Instrumentation & Control department for large regional professional engineering firm concentrating in water and wastewater projects. Provided Instrumentation and Control and SCADA design and programming services to new and existing clients.
- Brought new clients to firm offering new professional design and programming services. Developed proposals and gave presentations for award of new work.
- Responsible for preparing control system architecture drawings, P&IDs, electric control and loop diagrams. Wrote technical and performance specifications.
- Project manager and lead engineer for SCADA and programming projects, responsible for schedule, budget and QA/QC. Coordinated directly with clients to identify project goals and objectives. Ensured both were met in the final deliverable products.
- Managed daily work assignments of three engineers various draftsmen for completion of design and programming projects within budget and schedule requirements.
- Responsible to in-house project managers as discipline lead for large, multi-discipline design projects. Coordinated related work with other discipline leads. Tracked project budgets and schedules for completion of I&C portion of work.
- Directly accountable to my supervising partner (principal) for the profitability and quality of I&C projects.

2005 to 2009 **Hartwell Engineering, Inc.**
Vice President **Crofton, Maryland**

Principal and project manager for numerous Instrumentation & Control, Electrical and SCADA projects for multidiscipline engineering, integration and consulting firm.

- Worked directly with new and existing clients to develop new projects. Developed project scopes of work and negotiated fees for new projects. Prepared bids and proposals for presentation to clients for new work.
- Managed project budget, schedules and quality of deliverables. Responsible to company share-holders for profit and loss of projects.
- Managed shared resources and personnel, coordinating with project managers of different projects in order to meet project budget and scheduling requirements.
- Responsible for work assignments and daily activities of employees including administrative, engineers, technicians and tradesmen.
- Managed in-house UL 508A panel shop. Responsible for development and submittal of fabrication drawings, procurement of materials and scheduling of panel fabrication. Coordinated factory testing with end users/clients.
- Developed designs and PLC/HMI programs for SCADA systems, distributed plant control systems and stand alone processes and facilities.
- Integrated and programmed PLC based SCADA systems using various manufactures. Familiar with numerous radio and land line communications methods and protocols. Supervised field technicians during system installation.
- Maintained technical responsibilities for various PLC/HMI programming and Instrumentation and Control design projects.

1998 to 2001

Hartwell Engineering, Inc.

Project Engineer

Crofton, Maryland

Project Engineer for Instrumentation & Control, SCADA projects for multidiscipline engineering, integration and consulting firm.

- Developed designs and PLC/HMI programming for SCADA systems, distributed plant control systems and stand alone processes and facilities for water, wastewater and other industrial process controls.
- Integrated and programmed PLC based SCADA systems for county-wide supervisory control of water and wastewater facilities.
- Familiar with numerous radio and land line communications methods and protocols.
- Supervised field instrumentation and electrical technicians during system installations.
- Developed electrical control diagrams for integrating new PLC based control systems to existing motor control circuits.

1995 to 1998

Larox, Inc.

Project Engineer

Columbia, Maryland

Responsible for coordination of the construction and installation of industrial dewatering facilities for installation of represented equipment. Completed on-site inspections and commissioning activities for projects valued at ±\$2M. Client contact for support, troubleshooting and maintenance coordination to existing clients for installed equipment.

- Coordinated installation requirements with Clients engineering team.
- Verified correct installation and setup of filtration systems and components.
- Wrote PLC and OIT programs for the automation and operation of equipment.
- Integrated system controls with DCS systems for supervisory monitoring and control.

Professional Affiliations

- Registered Professional Engineer, State of Maryland
- Member of ISA--The Instrumentation, Systems, and Automation Society

Automation Skills

PLC Programming

- Allen-Bradley PLC 5, SLC 500 and Control Logix systems
- Modicon Momentum and Quantum systems with Concept software.
- Siemens SIMATIC S7 systems

HMI Programming

- RSView 32, Factory Talk View SE and ME
- Wonderware
- iFix

VFD Setup and Configuration programming for Allen-Bradley 1336 and Power Flex 700

Education

1989 – 1994

University of Maryland

College Park, Maryland

- BS – Mechanical Engineering, 1993
- 1 Year Graduate Studies – Mechanical Engineering
- Self-financed 100% of tuition and living expenses while working as full-time student

Military

1984-1999

U.S. Air Force

Intelligence Analyst

- Maintained Top Secret/SCI Security Clearance with counter-intelligence polygraph.
- Five years Active Duty and 10 years of Reserve Duty
- Honorable Discharge at rank of Technical Sergeant (E-6)