**Paul Sheridan**

Houston, TX

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Summary **Automation Engineer** with expertise in the energy industry. Exceptional skill designing and managing automation systems, digital controls, software modeling and embedded systems.

Employment **CHEVRON NORTH AMERICA** Houston, TX

2014 - Present *Automation Engineer*

* Automation systems design and project management.
* Working on multiple projects simultaneously in varying stages of development.
* Reviewed embedded system design for proprietary control boards.
* Designed and managed automation and electrical scope for production facilities.
  + Created project scope, budget estimates and operating philosophy.
  + Designed Electrical layout and control loop drawings.
  + Assembled bid package and selected contractors.
  + Kept project work on schedule by closely managing electrical contractors.
  + Saved money by selecting and purchasing equipment directly from suppliers.
  + Kept work on budget by tracking project spending daily.
  + Ensured compliance with NFPA 70 and corporate design standards.

**CHEVRON NORTH AMERICA** Midland, TX

2013 *Systems Automation Intern*

* Improved control system quality and decreased time lost to debugging by designing modules in LabVIEW to simulate fluid flow equipment inputs and outputs for a programmable logic controller.
* Enabled a seamless transition to a new logic controller by reverse engineering the program for the obsolete controller. Controller is in a tank battery that processes 1,000 gallons of crude oil per day.

**CHEVRON ENERGY TECHNOLOGY** Houston, TX 2012 *Process Analyzers Intern*

* + Investigated and compared over 30 Laser Spectroscopy products. Produced a technology decision matrix that enables engineers to select an LS product to fit their requirements and budget.
  + Produced technical summaries on emerging technologies such as Micro Gas Chromatographs and Quantum Cascade Lasers. Summarized principles of operation, current state of the field, and pricing.

**DURR SYSTEMS INC.** Plymouth, MI

2007-2009 *Project Scheduler*

* Scheduled large-scale, international, factory construction projects with budgets over $5 million.
* Maintained project schedule by coordinating between design, manufacturing and installation teams.
* Saved 10 hours per week by writing VB scripts for MS Project to automate scheduling tasks.

Military Service **U.S. ARMY**

2002-2006 *Infantry Reconnaissance Team Leader*

* Highly demanding leadership position. Led a team of 3 soldiers in combat operations.
* Taught classes for audiences of 25 to 30 on basic antenna theory, first aid, and infantry tactics.
* Assessed subordinate's performance and counseled soldiers on their job performance.

Education **UNIVERSITY OF MICHIGAN** Ann Arbor, MI 2011-2014 B.S.E. Computer Engineering

Technical Skills

**Languages:** C++, C, Java, MATLAB**,** LabVIEW, Python, JavaScript, Verilog, Simulink

**Technologies:** process control systems, open loop and closed loop control, PID controllers, embedded system design, electrical circuits, software engineering