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## EXPERIENCE

### **Process & Project Engineer**

*June 2017 – June 2020*

Audubon Companies  
Houston, TX

- Lead Process Engineer for Chevron/Targa front end design & development effort to restart offline ethylene transfer facility (\$25 Million estimated capital cost)
- Led process engineering efforts from design through Issue for Construction to expand Chevron/Targa ethylene transfer facility (capital cost of \$7 Million)
- Consulting Project Manager for client multi-year facility remediation effort to replace deficient safety relief devices

### **O&G Technology Consultant**

*Dec 2016 – Apr 2017*

OTM Consulting  
Houston, TX

- Conducted low-dosage-hydrate-inhibitor technology review for international operator's R&D program
- Leveraged engineering resources to provide insights for client's advanced corrosion monitoring device development
- Presented comprehensive separator design summary to internal stakeholders for prospective joint industry project

### **Process Engineer**

*Sep 2012 – Nov 2016*

Waldemar S. Nelson and Company, Inc.  
Houston, TX

- Designed and procured gas-liquid separators, vapor re-compression units, pumps, tanks, flare systems, heat exchangers, and process instrumentation
- Executed process safety studies such as hydraulic analysis of pipelines, gas blow-by prevention requirements, tank battery protection schemes, and flare system sizing
- Simulated chemical processes to design, expand, and optimize client facilities
- Authored key engineering documents including Process & Instrumentation Diagrams (P&IDs), Flow Diagrams (PFDs), Safeguarding Diagrams (PSDs), and Heat & Material Balances (HMBs)

### **Distributed Control Systems Engineer**

*May 2012 – Sep 2012*

Yokogawa Corporation of America  
Sugar Land, TX

- Upgraded Safety Instrumented System (SIS) code & function blocks for software upgrades
- Designed Human Machine Interface (HMI) graphics for offshore platform Distributed Control Systems (DCS)
- Optimized Programmable Logic Controller (PLC) performance by purging unnecessary I/O points from systems
- Revised HMI software graphics to improve chemical process representation

### **Technology Specialist**

*Jan 2006 – May 2012*

Thomas Reprographics  
Houston, TX

- Designed custom material test report database application to prevent client inventory liquidation
- Developed and managed construction document web portals for pipeline construction companies and medical centers

### **Utilities Operations Intern**

*Jun 2002 – Aug 2003*

Shell Deer Park Manufacturing Complex  
Deer Park, TX

- Analyzed and tracked live data from auxiliary process units vital to plant utility operations
- Compiled weekly and monthly reports on water quality metrics for submission to federal regulatory agencies

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