

---

# Taylor Hood M.Sc.

1837 Oak St.  
San Francisco, CA 94117  
(337) 263-0327  
taylordannhood@gmail.com

## SKILLS

- **Laboratory Experience** – Organic synthesis including reactions with air sensitive compounds, working inside a glove box, careful use and storage of biochemical material.
- **Instrumentation Experience** – Operating and maintaining NMRs, IRs, GCs, HPLCs, MSc, ICs, TOCs, ICPs, XRFs, titrators, densitometers, phasetecs, and Optidists.
- **Computer Experience** – Developing and maintaining the data pipeline across 12 chemical refining plants. Maintaining LIMS for quality labs.
- **Software Experience** – Sample Manager, Chromeleon, Atlas, OSI PI, Aspen, SQL, SAP

## EXPERIENCE

### **INVISTA, Orange, TX** - *Data Pipeline Practitioner*

January 2021 - PRESENT

- Develop server architecture, data pipelines, and databases for global process and lab data
- Train new users on tools
- Create dashboard alerting for KPI monitoring to free operations' time for site maintenance
- Create Server Monitoring Tools to improve data reliability

### **INVISTA, Orange, TX** - *Lab Data Manager*

January 2020 - January 2021

- Run and maintain lab data for quality control lab in LIMS (relational database)
- Monitor sample trends

### **INVISTA, Orange, TX** - *Instrumentation and Calibration Technician*

February 2018 - January 2020

- Maintaining, repairing, and calibrating GC, HPLC, IC, XRF, TOC, UV-Vis, ICP, and KF titrators
- Handling special problems that occur in the refinery
- Writing and updating methods and procedures
- Maintaining ISO 9001 Compliance.

---

## **Citgo, Lake Charles, LA - Lab Analyst**

September 2015 - January 2018

- Performing routine quality control analysis on unit samples and finished products
- Observing ASTM guidelines
- Maintaining a clean and organized work area
- Carefully interpreting and inputting data in a timely manner

## **EDUCATION**

### **McNeese State University, Lake Charles, LA - Masters of Science**

August 2013 - December 2018

Department of Chemistry and Physics

Degree in Environmental and Chemical Sciences

Concentration in Organic Synthesis

### **McNeese State University, Lake Charles, LA - Bachelors of Science**

August 2007 - May 2012

Department of Chemistry

Degree in Chemistry

Concentration in Biochemistry

Minor in English

## **AWARDS**

Chemistry Graduate Teaching Award

Undergraduate Research Award

Undergraduate Scholar Award

President's Honors List

TOPS Performance Award