

# NATHAN MEANS, B.S.

## ASPIRING BIOMEDICAL ENGINEER

---

STILLWATER, OKLAHOMA | (405) 255-7659 | NATHANMEANS22@GMAIL.COM

Aspiring Biomedical Engineer & Member of the American Institute of Chemical Engineering with significant experience gained through internships and obtaining a Bachelor's Degree in Chemical Engineering. Thrives in environments that require the capacity to prioritize concurrent projects both calmly and efficiently. Highly skilled in working independently or collaboratively conducting experiments in a wet chemistry lab. Well-versed in factory modeling concepts such as material flows, yields, and recovery rates and being involved in the development and research of new products. Excels at communicating with various types of people and personalities which has aided in cultivating professional relationships and having positive interactions with colleagues. Currently seeking an engineering role within a company that will view my skill set as beneficial and a valuable addition to their team.

### **AREAS OF EXPERTISE:**

Microsoft Excel & VBA | Aspen Plus/HYSYS | Polymath | ICP-OES & ICP-MS | Mettler Toledo OptiMax Calorimeter | Micromeritics GeoPyc Envelope Density Analyzer | Anton Paar - Particle Size Analyzer | Thermogravimetric Analysis | Anton Paar Physisorption Analyzer | Arbin Instruments Battery Cell Analyzer | SEM Scanning Electron Microscope | Auto-Titrator Gel Image Processing | Laboratory Reagent Preparation | pH & Turbidity Meters

### **PROFESSIONAL BACKGROUND:**

#### **CHEMICAL ENGINEERING INTERN**

#### **REDWOOD MATERIALS, RENO, NEVADA (05/2022-08/2022)**

- Chemical Engineering Intern for Redwood Materials; a renewable energy equipment manufacturing company founded by J.B Straubel who is also the former Chief Technology Officer and Co-Founder of Tesla with Elon Musk
- Performed design and modeling of chemical engineering aspects of new processes, including the creation of detailed process flow documentation
- Synthesized pre-cathode active material on a research scale using recycled materials
- Conducted quality analysis tests on the pre-cathode active material
- Helped setup, test, and commission pilot and commercial scale plant and equipment
- Assembled and analyzed lithium-ion coin cell batteries using cathode active material

#### **LABORATORY TECHNICIAN / CHEMIST**

#### **ACCURATE ENVIRONMENTAL LABS, STILLWATER, OKLAHOMA (05/2021-08/2021)**

- Meticulously prepared chemical reagents
- Performed Toxicity Characteristic Leaching Procedures
- Tested for water contamination using optical emission and mass spectrometry

### **EDUCATION:**

**Oklahoma State University, Stillwater, Oklahoma, Graduation Date: May 2023**

Major: Chemical Engineering with Biochemical Option | Beta Theta Pi

### **NOTABLE ACHIEVEMENTS:**

- Regents Distinguished Scholarship
- Alumni Chapter Scholarship
- Alumni Association Chesapeake Energy Scholarship
- Dean's Honor Roll

### **PHILANTHROPY:**

- Into the Streets, Oklahoma State University
- Oklahoma Humane Society, Oklahoma City, Oklahoma
- Church of the Servant, Edmond, Oklahoma