

## **Caleb Richards**

2222 Wilcox Street  
Lincoln, NE 68500  
crichards@hotmail.com  
314-555-6389

### **OBJECTIVE**

To obtain a chemist position utilizing laboratory, organization and analytical skills

### **EDUCATION**

Bachelor of Science (May 2015)  
University of Nebraska-Lincoln  
Major: Chemistry Minor: Mathematics GPA: 3.6/4.0

### **EXPERIENCE**

#### **Undergraduate Research Assistant**, August 2013- Present

UNL Chemistry Department, Lincoln, NE

- Develop procedure for making TiO<sub>2</sub> nanotubes of designated lengths
- Obtain results and revise procedures based on designated parameters
- Perform hydrothermal method and analyze nanotubes

#### **Lab Technician**, May 2012-August 2013

GeneSeek, Inc., Lincoln, NE

- Prepared polyacrylamide slab gels
- Oversaw cleaning and maintenance of instruments

### **SKILLS**

#### **Instrumentation and Technology**

- Spectroscopic Technology - NMR, UV-Vis, HPLC, GC/MS, IR, Brillouin, XRPD, DSC
- Molecular modeling programs including ChemSketch

#### **Laboratory Procedures and Techniques**

- Multistep Reactions, Workup, Analysis, Acid Hydrolysis
- Titrations, distillations, crystallizations, recrystallizations, polymerizations, and chromatography
- Basic and advanced wet-bench techniques
- Preparation of stock solutions and reagents

### **HONORS AND AWARDS**

- Dean's List, 4 years
- American Chemical Society
- Mortar Board
- Ed & Susan Stettler Academic Scholarship