

FRANK ENGINEER

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Education

The University of New Hampshire

Bachelor of Science in Chemical Engineering

Expected May 2017

- Focus in Energy

Relevant Coursework

- Fossil Fuels and Renewable Energy Sources
- Electrochemical Methods for Energy Applications
- Biochemical Engineering
- Introduction to Nuclear Engineering
- Mass Transfer and Stagewise Operations
- Physiochemical Processes for Water/Air Quality
- Heat Transfer and Unit Operations
- Applied Mathematics for Chemical Engineers

Related Work Experience

Intern- Lonza Biologics, Inc.

June – August 2014

- Assisted in material inspections and observed the audit process
- Performed ANSI analysis on batch records for validation purposes
- Presented work at the end of experience to executive members of the team

Research Experience at the University of New Hampshire

Making Petrol from CO₂

September 2016 – Present

- Research feasibility of converting carbon emissions back into hydrocarbon commodities
- Utilize gas chromatographs to analyze the level of liquid fuel produced from CO₂
- Work with 3 other students to analyze data and formulate solutions

AIRMAP WIND TURBINE

June 2015 – Present

- Measure and analyze the critical air pollutants from U.S. emissions that have started their travel across the Atlantic Ocean
- Monitor travel of mercury in the air
- Develop maps displaying the levels of pollutants over varying periods of time

Campus Involvement

Alpha Phi Omega

October 2015 – Present

- Attend 5 major volunteering events each semester
- Organize many events on campus, such as fundraising activities and information sessions
- Demonstrate exemplary traits for 3 newer members through service and academics

American Institute of Chemical Engineers (AIChE)

September 2013 – Present

- Tutor one student twice a week in entry-level chemical engineering courses
- Attend the national conference each year to enhance skills