

Jeremy Kight
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EDUCATION

Whitacre College of Engineering, Texas Tech University

Lubbock, TX

Major: Chemical Engineering

Expected Graduation Date: May 2017

Minors: Mathematics and Chemistry

- Cumulative GPA: 3.22
- Studied Abroad in Spain

Summer 2015

SKILLS AND ABILITIES

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|---|---|
| <ul style="list-style-type: none">• Computer Programming• Microsoft Software• Simulations• Analytics | <ul style="list-style-type: none">• Process Safety• Problem Solving• Communication• Leadership |
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SCHOOL EXPERIENCE

- Perform small scale Liquid-Liquid Extraction
- Collect data from a Gas Absorption column and quantifying the effectiveness
- Design and control PID controllers in cascade control systems
- Create simulations for specific desired outcomes in the production of Propylene Glycol
- Model the production of cyclohexane via benzene hydrogenation through HYSYS simulation
- Write various MATLAB codes for chemical reaction engineering
- Operate centrifugal pump to understand pump performance characteristics
- Perform cost analysis to calculate the total capital investment to construct a maleic anhydride production facility using the latest finalized CEPCI
- Design a cryogenic air separation process to achieve high purity nitrogen and oxygen from air

PROFESSIONAL EXPERIENCE

Texas Tech University Library

Lubbock, TX

- Student Assistant

August 2014-Present

ACTIVITIES AND VOLUNTEER EXPERIENCE

American Institute of Chemical Engineers

January 2015 – Present Member

American Association of Drilling Engineers

August 2015 – Present Member

American Red Cross Association

August 2013 – Present Member

