

# Cody Bezik

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## EDUCATION

### Case Western Reserve University, Cleveland OH

Case School of Engineering – Department of Chemical Engineering

May 2015

- **Cumulative GPA:** 3.86
- **Degrees:** B.S. Chemical Engineering, M.S. Chemical Engineering
- **Relevant Coursework:** Transport Phenomena, Process Control, Statistics for Experimenters, Thermodynamics of Chemical Systems, Chemical Reaction Processes, Polymer Properties and Design, Physical Chemistry, Chemical Engineering Applied to Microfabrication and Devices, Colloids and Surfaces, Chemical Engineering Analysis

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## EXPERIENCE

### Case Western Reserve University Mixing Science and Technology Group

Master's Thesis Research

May 2013 – May 2015

- Studied poly(high internal phase emulsions) (referred to as poly(HIPE), unique highly porous materials) based on acrylate monomer chemistry, characterized emulsion properties with optical microscopy, characterized final monolith morphology, fluid retention, and mechanical strength
- Produced novel fibers of poly(HIPE), characterized them according to similar techniques of monoliths, focused on tailoring properties of the fibers based on processing conditions
- Presented work at the 30<sup>th</sup> annual meeting of the Polymer Processing Society

### Case Western Reserve University Department of Chemical Engineering

Teaching Assistant

August 2013 – December 2015

- Assisted in organizing laboratories for CWRU freshmen in the chemical engineering department, covering a wide variety of basic chemical engineering techniques, served as a reference for students in-lab and as a grader of assignments

Undergraduate Research

January 2012–May 2013

- Researched solutions of methylcellulose (a polymer which exhibits unique thermal properties), performed systematic studies to test the response of the system to thermal stimuli, used image analysis to characterize the results of various tests
- Presented work at a student research symposium

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## HONORS AND LEADERSHIP

### Case Western Reserve University

Delta Upsilon Fraternity Executive Board Member

November 2013 – November 2014

- Responsible for the day-to-day finances of a business account with yearly income of over \$25,000, developed a standardized yearly budget appropriate for long term use, maintained non-profit status of the chapter through proper IRS filing, interacted with other executive board members about financial decisions for the chapter
- Managed chapter social media relations, promoted responsible social media use, maintained relations within the greater community through use of social media platforms
- Sat on a committee for the purpose of a general review and revision of chapter bylaws
- Participated in leadership building seminars multiple times

Tau Beta Pi Engineering Honor Society Executive Board Member

December 2012 – May 2015

- Served as Vice-President, generally responsible for oversight of other executive board members and society activities such as fundraising and initiation of new members, acted as a liaison between the President and other executive board members
- Managed internal communication of the chapter, communicated information about events and membership requirements, served as primary point of contact for other organizations communicating with the chapter about opportunities
- Represented the chapter as a delegate to the Tau Beta Pi National Convention, sat on a committee for revisions to the national bylaws and constitution, voted on the convention floor on resolutions placed before the convention

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## SKILLS

**Computer:** Microsoft Word, Excel, and PowerPoint; Matlab, Aspen Plus; Windows

**Laboratory Techniques:** Trained in the use of TGA, SEM

**Language:** Strong reading, writing, and editing skills. Extensive background in research.