

# Dylan Nelson Trott

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## Education

### University of Illinois at Urbana-Champaign

College of Liberal Arts and Sciences

Bachelor of Science in Chemical Engineering with minor in Materials Science & Engineering

Champaign, IL

Expected Graduation: May 2024

GPA: 3.26 /4.0

Current and Previous Coursework includes: Organic Chemistry 1 / 2, Polymer Chemistry, Fluid Dynamics, Heat Transfer

### Libertyville High School

Achieved 43 College Level Credits; Honor roll all 4 years

Libertyville, IL

Graduation: May 2020

GPA: 3.80 /4.0

## Leadership Experience

### Kappa Theta Tau - Professional Engineering Fraternity

Project Food Safety Lead, Pledge Marshal

Champaign, IL

January 2021-Present

- Voted into role as pledge marshal, hosting weekly meetings for new initiates
- Selected as one of 18 out of 300 candidates to pledge during spring 2021 semester
- Chosen to be process and food safety lead for year long project designing fully automated drink machine

### REACT (Reaching and Educating America's Chemists of Tomorrow) Outreach Program

Organic Chemistry Coordinator

Champaign, IL

August 2020-Present

- Promoted into role responsible for completing long-term chemistry related projects
- Inspired elementary and middle school students through demos of chemistry over Zoom

### AIChE (American Institute of Chemical Engineers)

Member

Champaign, IL

August 2020-Present

- Involved with global professional chemical engineering organization which serves as a network for chemical engineers to collaborate and share industry insight

### HeforSWE

Member

Champaign, IL

August 2021- Present

- Participated in affinity group that provides gender inclusive events and fosters allies for women in engineering

## Professional Experience

### Braun Research Group

Undergraduate Research Assistant

Champaign, IL

September 2022-Present

- Tested novel method to create copper inverse opal structures using polystyrene colloids for use in semiconductors
- Manufactured chips using a variety of methods, such as interference lithography, vertical deposition, and then tested the structure and durability of the resulting chips

### Ingredion Incorporated

Manufacturing and Training Development Intern

Bedford Park, IL

May 2022-August 2022

- Developed detailed training videos to help maximize safety, quality, and production of final products for the dextrose and packing units
- Utilized engineering skills, organic chemistry knowledge, existing SOPs, and managers' feedback to ensure the instructions and information in the videos were comprehensive

### Golden Age Cinemas 1 and 2 (Liberty Theatre)

Manager

Libertyville, IL

July 2019 – February 2020

- Duties included overseeing staff and day-to-day function of theatre, such as running films, opening/closing the theater, and concessions; managed official banking documents and reported profits to manager

## Skills

**Skills:** Python, Microsoft Excel, Microsoft Word, Matlab, Comsol, Camtasia, SEM, FTIR, HPLC

**Awards:** Principal's leadership award, 3<sup>rd</sup> in state ICTM, National Honors Society, Illinois State Scholar