

Christopher Metellus

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Objective Statement: In my three years as an undergraduate student, I have acquired many skills to perform research accurately and display research results clearly. I am seeking to apply to graduate school studying nanomaterials and their applications towards flexible electronics.

Education

University of Illinois at Urbana-Champaign
Bachelor of Science in Mechanical Engineering

Class of 2022
GPA: 3.95/4.00

Research and Work Experience

Van der Zande (VDZ) Group, Undergraduate Research Assistant August 2020-May 2021
University of Illinois at Urbana-Champaign

- Measured the elastic modulus of PDMS substrate for pre-strain experiment using a homemade testing device.
- Modeled the amplitude and wavelength behavior of an organic material based on thickness and quantifiable pre-strain applications using MATLAB.

Northwestern University, REU Intern June 2019-August 2019
Evanston, Illinois

- Collaborated with graduate students and professors to conduct quantitative analysis of phosphate adsorption via magnetic nanostructures (MNS).
- Analyzed different phosphate concentration samples before and after MNS sponge application using ultraviolet and visible (UV-Vis) spectroscopy.
- Communicated results of research during final symposium and through written report.

Museum of Science and Industry, Farrell Fellow July 2016-August 2016
Chicago, Illinois

- Presented the engineering design cycle to hundreds of museum guests for 5 weeks.
 - Witnessed tangible improvement with oral communication and presentation skills.
 - Collaborated with other Farrell Fellows to teach the design cycle to over 100 elementary school children at 8 Chicagoland libraries.
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Leadership, Clubs and Awards

Lean Six Sigma (Yellow Belt Certification)		April 2021
National Society of Black Engineers	Executive Vice President	June 2020-Present
Tau Beta Pi	Member	December 2019-Present
Chevron Scholarship		August 2019
Chancellor's Scholar		May 2019-Present
Presidential Scholar		August 2018-Present

Technical Skills

Creo	PowerSteering	Python
MATLAB (Simulink)	Microsoft Office	Linux/Unix
Articulate Storyline 360	HTML	