

Meghan Oh

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EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

B.S. in Materials Science and Engineering

Hoelt Technology and Management Program

Expected Graduation May 2023

GPA 4.0/4.0

Class XXVII

Awards and Honors

Chancellor's Scholar, James Scholar, Keramos Honors Fraternity, Engineering Excellence Scholarship, Matthews Scholarship, Rakers Scholarship, Parmalee Scholarship, CM Wayman Memorial Scholarship, Dean's List (all semesters)

PROFESSIONAL EXPERIENCE

Dyson Limited

Chicago, IL

Phase Transformation and Change Management Intern

May 2022 – August 2022

- Implemented a standardized project management process by creating templates on Microsoft Suite and Sharepoint
- Oversaw the market localization, readiness testing and risk mitigation of new product development launches
- Pioneered innovative business processes based on market research related to brand management and sustainability

Illinois Applied Research Institute

Urbana-Champaign, IL

Materials and Manufacturing Research Intern

May 2021 – August 2021

- Formulated a procedure for the incorporation of phase change materials into paint to increase latent heat storage
- Performed materials characterization of organic fatty acids (TGA, DSC, FTIR, SAXS, optical microscopy)
- Presented findings on effective experimental design, plausible manufacturing methods, review of current literature

Hoelt Technology & Management Program

Urbana-Champaign, IL

Program Assistant and Media Coordinator

August 2021 – Present

- Manage social media presence on program websites, LinkedIn, Facebook, and Instagram to increase engagement
 - Coordinate media projects to increase communication and engagement between students and corporate affiliates
 - Develop marketing strategies for recruitment of diverse, collaborative and high-achieving prospective students
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PROJECTS & INVOLVEMENT

Keramos Honors Fraternity

Urbana-Champaign, IL

Herald

November 2020 – Present

- Create and test formulations of slip, clay and glazes with distinct surface properties and internal strengths
- Refine slip-making process to increase efficiency and improve consistency while supplying proper documentation
- Execute mechanical testing, drop testing, thermodynamic analysis of fired pieces and kiln processes

Materials Laboratory

Urbana-Champaign, IL

Materials Processing and Testing

August 2021 – May 2022

- Performed materials characterization tests (viscosity, creep, optical microscopy, tensile, chromatography, etc.)
- Analyzed produced data to understand material behavior and the impact of processing on material response
- Compared experimental data to published values to identify sources of error to refine experimental procedures

New Product Development & Marketing

Urbana-Champaign, IL

Pellas: A Skincare Customization App

August 2021 – May 2022

- Defined a new product idea with specified features, benefits and feasibility based on an identified consumer need
 - Composed a go-to-market strategy and schedule from RDD and manufacturing to market testing and launch
 - Participated in class discussions on projects to discuss areas of risk and potential for process improvements
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RELEVANT COURSEWORK

Nanomaterials & Nanomedicine, Synthesis of Inorganic Materials, Design and Use of Biomaterials, Polymer Science & Engineering, Materials Characterization, Thermodynamics and Kinetics of Materials, Materials Mechanics, Organic Chemistry, Biochemistry, Molecular Biology, New Product Design & Development, New Product Marketing

SKILLS & INTERESTS

SKILLS: Various Materials Characterization Techniques, Biomaterials Synthesis, Cellular Assay Cultures, Advanced in Microsoft Office, Proficiency in MATLAB, Python and LaTeX, Basic CAD modelling

INTERESTS: universal and consumer-focused product design, sustainability, pottery, animation, and graphic design