**Yuzi Zhang**

217-555-7488 |Email: yzhang83@illinois.edu | www.linkedin/com/in/yuzizhang|github.com/yuzizhang

**EDUCATION**

**University of Illinois at Urbana-Champaign** Expected May 2024

*Bachelor of Science in BioEngineering* GPA: 3.33/4.00

**Related Coursework:**

Cell & Tissue Engineering Lab Tissue Engineering Cellular Bioengineering

**TECHNICAL SKILLS**

**Lab/Research Processes:** Cell Cultures, Impact Testing, Tensile Testing, Atomic Force Microscopy (AFM)

**Data Analysis & Computation:** MATLAB, Python, Excel, R

**Applications:** ImageJ, AutoCAD, COMSOL, ChemCad

**Spoken Languages:** Mandarin, English

**WORK EXPERIENCE**

**Beckman Institute for Advanced Science and Technology**  Champaign, IL

*Undergraduate Researcher*  June 2023 - Present

* Cultivate primary cells and stem cells to create functional tissue constructs
* Assess tissue morphology and structural properties using Atomic Force Microscopy (AFM)
* Analyze 30+ AFM images to evaluate the effectiveness of tissue scaffolding design
* Present research findings at Undergraduate Research Symposium and received honorable mention

**Organic Chemistry Teaching Labs**  Champaign, IL

*Teaching Assistant*   Jan 2023 – May 2023

* Maintained clean, sanitized, stocked work spaces across six separate labs
* Collaborated with three graduate teaching assistants to facilitate smooth lab demonstrations
* Complied with strict protocol to managed lab waste dispose of or recycle solid and liquid chemical waste

**PROJECT HIGHLIGHTS**

**Algae-Based Bioplastic** January 2022 – May 2022

* Designed a protocol and recipe for making bioplastic out of invasive algae blooms
* Created a sustainable product from an environmental scourge
* Outreached to 10+ vendors to determine desired material qualities of final bioplastic
* Conducted impact, tensile and other materials tests such to quantify various properties

**EXTRACURRICULAR ACTIVITIES & LEADERSHIP**

**Alpha Chi Sigma Professional Chemistry** Champaign, IL

*Marketing Director* August 2022 - May 2023

* Created a networking database to maintain alumni participation in the fraternity
* Wrote and distributed two bi-weekly newsletters, *The Zeta Quark* and *The Zeta Ion*
* Coordinated fundraising events for the chapter, earning over $10,000