**RILEY DEPAUL**

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**EDUCATION**

**BS, Chemistry** | DePaul University Expected Jun 2022

3.7 GPA | Dean’s List

Relevant Coursework: General Chemistry, Organic Chemistry, Biochemistry, Calculus, Physics

**RESEARCH EXPERIENCE**

**Chemistry Research Assistant** | DePaul University Sep 2019 - Present

* Perform synthesis reactions, product purifications, recrystallizations and characterization to contribute to a project focusing on producing zinc-based enzyme mimics
* Clean materials, mail samples, and sort data to maintain efficient lab operations
* Co-published a research paper on the synthesis and styrene copolymerization of novel trisubstituted ethylenes

**Dean’s Undergraduate Fellowship** | Chicago Science Laboratory May 2020 - Aug 2020

* Prepared and studied protein solutions to assess their interactions with small molecules and metal ions
* Assembled and configured various lab equipment, such as the Isothermal Titration Calorimeter
* Attended weekly meetings with 9 research team members to discuss project goals and updates, brainstorm solutions, and establish cohesive team protocols and procedures

**TEACHING EXPERIENCE**

**Organic Chemistry Teaching Assistant** | DePaul University Sep 2020 - Present

* Attend and participate in Organic Chemistry courses to better understand the material
* Direct students in performing assigned laboratory tasks and following safe, proper laboratory techniques
* Hold weekly office hours to review subject material, answer students’ questions, and provide practice problems
* Grade laboratory assignments and written reports according to the professor’s standards and rubrics

**General Chemistry Supplemental Instruction (SI) Leader** | DePaul University Sep 2019 - Jun 2020

* Facilitated two 1-hour sessions per week to General Chemistry I & II students to review class material and work through practice problems together
* Developed practice worksheets with sample problems to actively engage students during each session
* Supported the professor during class lectures by providing input and answering student questions

**SKILLS**

* Laboratory: titration, microscopy, synthesis, recrystallization, molecular extraction and analysis
* Data collection, analysis, and visualization
* Research writing
* Project management

**TECHNOLOGY**

* Microsoft Office (Word, Excel, PowerPoint, Outlook, Teams)
* Google Suite (Docs, Sheets, Slides, Forms)
* Zoom