

Kathleen "Lee" Schoneman

Green Bay, WI, 54311

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Cell: (920) 370-1102

Education:

Rochester Institute of Technology

Rochester, NY

Bachelor of Science in Biochemistry

Expected Graduation: May 2024

Cumulative GPA: 3.48

Research Experience:

Undergraduate Research, RIT

Spring 2024 - present

Research Advisor: Dr. Paul Craig

Project title: Python Scripting for Biochemistry

Research: Working with public datasets and information from sites including but not limited to NCBI and PDB and integrating python to automate repetitive tasks using MolSSI practices, with a focus on molecular mechanics modelling

Techniques: Python programming, use of various applications such as Jupyter Notebooks and Anaconda

Undergraduate Research, RIT

Spring 2023 - present

Full-time Summer 2023

Research Advisor: Dr. Michael Gleghorn

Project title: Determination of Crystallized DNA G-Quadruplex Structure Bound to a Luminescent Iridium Complex Ligand

Research: Determining the binding position of a cyclometalated planar ligand on a G-Quadruplex using X-ray crystallography to locate quadruplex structures *in vivo*.

Techniques: DNA crystallization, hanging and sitting drop vapor diffusion, ligand soaking, cocrystallization, utilizing software including Phenix and Coot

Honors and Achievements:

RIT College of Science Dean's List (Spring 2023 – present)

RIT Emerson Summer Undergraduate Research Fellowship: Rochester Institute of Technology (Summer 2023)

RIT Presidential Scholarship (Fall 2021 – Spring 2024)

RIT Recognition Scholarship (Fall 2021 – Spring 2024)

RIT Performing Arts Scholarship (Fall 2021 – Spring 2024)

AP Scholar with Distinction (2021)

Presentations:

*Schoneman L, Robinson A, Horowitz R, Reed C, Gleghorn M (RIT Summer Undergraduate Research Symposium 2023) Determination of Crystallized DNA G-Quadruplex Structure Bound to a Luminescent Iridium Complex Ligand; poster

Teaching or Relevant Experience:

Rochester Institute of Technology, Rochester, NY

Spring 2023

Organic Chemistry II (Lab)

Teaching Assistant

Affiliations

American Chemical Society, Member

Summer 2023 - present

American Society for Biochemistry and Molecular

Summer 2023 - present

Biology, Member

National Honor Society

Fall 2020 – Spring 2021

Leadership Experience:

Props and Costumes Manager, RIT Players

Fall 2022 - Spring 2024

Helped execute directors' vision regarding actor's costumes, props, and set design. Made quick decisions when issues arose such as tears in costumes, missing and broken props, and interpersonal conflicts in a high-stress environment. Delegated tasks to crew members to ensure productions ran smoothly.

Volunteer Experience:

National Honors Society

Fall 2020 - Spring 2021

Tutored students in various math and science classes in affiliation with the National Honors Society.

Relevant Skills:

- Sample Preparation
- Macromolecular crystallization and X-ray crystallography
- Gel electrophoresis
- SDS PAGE
- Intermediate knowledge of Python, Java, and R programming languages
- Novice understanding of JavaScript and Perl programming languages

Work Experience:

Lowe's Companies Inc.

Rochester, NY

February 2023 - Present

Customer Service Associate

Provided insight and personalized solutions to customer's issues regarding lawn and garden care, as well as taught customers different methods and tips to make maintenance more efficient and less time consuming.

Beanz Coffee

Rochester, NY

August 2021 - December 2022

Barista

Memorized the recipes and preparations of a variety of products in a short time span, resulting in quick service to a multitude of customers.

Fleet Farm**February 2021 - July 2022**

Serviced customers in a fast-paced environment and demonstrated quick and efficient customer problem solving tailored to each specific situation and provided training and mentoring to both new and experienced employees on basic customer service and cashier protocol.

Green Bay, WI**Front End Officer*****References:***

References are available upon request.