

The Blueprint for an Industrial Résumé

Ima Chemist

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in
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Objective

Seeking a bench medicinal chemistry position synthesizing, purifying, and analyzing organic compounds

Education

B.S. in Chemistry (expected May 2024), Rocks University, Mayfield, Illinois
Thesis: "The Use of Grignard Chemistry in the Formation of Precursor Alcohols"
Advisor: Professor E. X. Pert

Work Experience

Undergraduate Research Assistant

Rocks University
(2023–present)
Advisor: Professor E. X. Pert

- Synthesized array of chiral alcohols to use as precursors in carbohydrate syntheses using the Grignard reaction. Devised a microscale method to generate 20 precursors on a 50 mg scale used in a 12-step natural product synthesis.
- Mastered the use of a Schlenk line to transfer water- and air-sensitive Grignard reagents to reaction vessels. Applied skills in collaboration with other researchers, resulting in increased yields in multiple syntheses.
- Independently mastered the use of laboratory HPLC equipment to properly operate the instrument. Accomplished rapid analysis of quenched reaction materials and supplied data to graduate student colleagues to optimize reaction processes for better yield.

Library Assistant

Mendeleev Memorial Library
Rocks University
(2023–present)

- Developed a new form for requests for technical journals that increased efficiency of journal searches.
- Created an organization system to file returned technical journals to the library's reserved journal stack that increased efficiency.

Volunteer Experience

President

American Chemical Society
Student Chapter
Rocks University
(2023–2024)

- Led 50 undergraduate chemists in coordinating 12 events designed to communicate the value of chemistry to peers, students, and the general public; developed the professional skills of chapter members; and engaged more than 300 members of the general public.
- Coordinated recruiting efforts that led to a 15% increase in membership.
- Collaborated with faculty mentor to organize a seminar series for undergraduates, resulting in the highest attendance for a career talk in 2023.

Honors

ACS Salute to Excellence Award (2022)
Library Assistant of the Year Award (2023)

Languages

Spanish (fluent), French (working knowledge),
German (reading knowledge)

Create header for name and contact information and make sure they appear on every page.

Customize your objective, experiences, and other qualifications to each position you are seeking.

• GPA: 3.75
List GPA only if 3.5 or higher to distinguish yourself from candidates with similar experiences.

Arrange content so that the most relevant accomplishments are easy to find.

2023–present
2022–2023
2021–2022
List research first, then other experiences in reverse chronological order.

A → B → C
Concisely tell what value you bring to the job using the challenge–action–result format and incorporate any special skills.

"ethylenediaminetetraacetic acid"
Use technical terms only when necessary.

List transferrable leadership and problem-solving skills.

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