

David Moreno-Hirsch

Reliable, hardworking research technologist with solid laboratory and research experience. Team player with excellent work ethic. Experience working in R alongside a research group handling large data sets. Thorough, patient, and detail oriented with familiarity in Python, R, and Excel.

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EDUCATION

Northwestern University — Master of Data Science

Expected Graduation: May 2026

GPA: 3.963/4.00

University of Illinois, Urbana-Champaign — Bachelor's

August 2018 - May 2022

Major: Molecular and Cellular Biology

Minor: Informatics

GPA: 3.47/4.00

Extracurricular Activities: Sigma Nu Fraternity, Sorority Relations Chair

EXPERIENCE

Keck Biophysics Facility

Northwestern University, Evanston, Illinois — Research Technologist

August 2022 - Present

- Working with a team to provide access, training, and services to users on advanced instruments used for biophysical characterization of macromolecules
- Set up and maintain instruments and troubleshoot errors
- Extract and organize data collected from experiments
- Use Excel to generate reports of instrument usage for analysis

Illinois Natural History Survey

University of Illinois, Urbana-Champaign, Illinois— Research Assistant

August 2021 - May 2022

- Member of a research team led by Dr. Milton Tan researching biodiversity, evolution, and genomics in fishes
- Analyzed large ecological data sets
- Wrote code in R to edit data frames and generate different analyses in order to demonstrate fish trait data
- Created plots to interpret similarities and dissimilarities of the different genera and families based on traits

RELEVANT COURSEWORK/LABS

Python for Data Analysis

Applied Statistics with R

Data Engineering with Go

Practical Machine Learning

Decision Analytics

Database Systems

Math for Modelers

Research Design for Data Science

Eukaryotic Cell Biology Lab

Experimental Techniques In Molecular Biology Lab

Organic Chemistry Lab

TECHNICAL SKILLS

Microsoft Office (Excel, PowerPoint, and Word)

R/RStudio and Python

Proficient at building computers from scratch

AWARDS

President's Award Program:
Scholarship for campus diversity

**College of Liberal Arts and Sciences
Dean's List:** Spring 2020 and Fall 2020.
Awarded for students in the top 20 percent in GPA