Linda Mansour

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SUMMARY

Enthusiastic student and research assistant pursuing a Bachelor's degree in Data Science with a concentration in Bioinformatics. Currently focused on transcriptomic studies in plants, with a keen interest in -omics research, particularly in human ancestry.

EDUCATION

University of Illinois at Chicago — Chicago, IL
Bachelor of Science in Data Science - Concentration in Bioinformatics — *Expected Graduation: May 2025*

TECHNICAL SKILLS

Languages: Python, R, C/C++, MySQL, SAS
Developer Tools: Git
General Skills: Database Management, PowerBI

RELEVANT EXPERIENCE

Computational Biology Lab Research Assistant — September 2023 – Present
University of Illinois at Chicago — *Chicago, IL*
- Developing methods to process next generation sequencing data primarily using Python to assist in processing high-throughput data sequenced by Illumina in the form of FASTQ files up to 10 gigabytes each.
- Experience in genomic data analysis and knowledge of extracting data from public databases involving biological data such as NCBI.
- Attended frequent meetings over the week with lab members to apply methods and build and revise pipelines to streamline lab processes.
- Utilizing pipelines like BLAST, Salmon, and Kraken for problems regarding alignment and sequence classification.

Business Analyst Intern — May 2023 – May 2023
Cervello — *Chicago, IL*
- Leveraged PowerBI and Microsoft Excel for comprehensive data management, including importing, cleaning, filtering, and analyzing to align with business and client objectives. Accessed and extracted relevant data from platforms such as 10,000 feet and Salesforce.
- Adopted SMART and AGILE for efficient project management, utilizing Excel, Word, and Teams for planning and communication, conducting daily scrums, stakeholder interviews for thorough requirements collection, and creating essential documents for clear project direction.
- Advanced data modeling and dashboard development through PowerBI, DAX, and Microsoft Excel, integrating multiple data sources to create interactive dashboards for optimal staffing allocation based on employees' roles, skills, regions, and availability.

Undergraduate Teaching Assistant — September 2022 – May 2023
University of Illinois at Chicago Computer Science Department — *Chicago, IL*
- Reinforced knowledge of the Python coding language in order to properly and successfully assist 460 students with academic needs.
- Facilitated intensive study and help sessions with students over several days of the week, in addition to hosting office hours populated by 15+ students at a time.
- Provided feedback to the instructor, colleagues, and students regarding assignments, concerns, and technical issues, fostering a collaborative environment, and ensuring consistent support.

PROJECTS

Personal Portfolio — Ongoing
Portfolio website coded in HTML, CSS, and experimented with PHP. Contains school projects and Rosalind solutions, as well as information about me.

CONFERENCES

Botany 2024 - Grand Rapids, MI — June 2024
Poster Presentation Topic: Examining gene expression patterns in plant tissues after storage in silica gel.

INTERESTS

Gardening, Weightlifting, Reading, Collecting Fragrances, Nature Walks, Geocaching