

EDUCATION

Master of Science in Health Informatics, DePaul University | In Progress

Bachelor of Science in Applied Mathematics | University of Illinois at Chicago (UIC) 2018-2022

RELATED CAREER EXPERIENCE

Research Analyst

University of Illinois at Chicago (UIC) | July 2022 – December 2022

- Analyzed mathematical models in gerrymandering using Graph Theory and Abstract Algebra to predict electoral outcomes and influence public policy discussions.
- Conducted independent research and collaborated with faculty to present findings on mathematical reform in electoral systems.

Data Analyst Intern

IRI Worldwide | August 2021 – July 2022

- Collaborated with data and market analysts to optimize marketing strategies based on consumer data analysis.
 - Delivered key insights for media planning and managed the data processing for a campaign partnership with local food gardens, significantly improving community engagement.
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ACADEMIC PROJECTS

Point of Sales Information Systems Project

DePaul University | September 2023 – November 2023

- Led the development of a Point of Sale (POS) system as part of a team, utilizing project management techniques to meet deliverables.
- Designed and implemented an Entity Relationship Diagram (ERD) to model system functionality, ensuring data structure clarity.

Health Informatics Natural Language Processing Project

DePaul University | September 2023 – November 2023

- Developed a machine learning model for predicting written words based on a dataset of handwritten motions, enhancing health data analysis techniques.

Mental Health Research Analysis Project

DePaul University | January 2024 – March 2024

- Applied regression analysis to study global mental health trends, generating insights into the socioeconomic factors impacting mental health outcomes.
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TECHNICAL SKILLS

CODING LANGUAGES & SOFTWARE

- Proficient in **Python**, **SAS**, **SQL**, and **R** for data analysis, statistical modeling, and data manipulation.
- Certified in **Programming in Data Science**, with hands-on experience in data analysis, machine learning, and data visualization.
- Skilled in data visualization tools and libraries, including **Matplotlib**, **Seaborn**, **Tableau**, and **Power BI**.

MATHEMATICS & STATISTICS

- Strong foundation in **statistical analysis**, **probability theory**, **machine learning**, and applied mathematics.
- Experience applying **regression analysis**, **hypothesis testing**, and **data modeling** to real-world datasets.

MICROSOFT OFFICE

- Advanced skills in **Microsoft Excel** (pivot tables, formulas, data analysis), **Microsoft Access**, **PowerPoint**, and **Word** for reporting and presentations.
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OTHER WORK EXPERIENCE

Barback

Trivoli Tavern, Chicago, IL | March 2024 – Present

- Provide exceptional customer service by greeting guests, anticipating needs, and ensuring a seamless experience at the bar.
- Manage inventory and stock bar equipment, and ensure service readiness before, during, and after shifts, demonstrating attention to detail and efficiency.

Cocktail Server

Soho House, Chicago, IL | August 2021 – October 2023

- Delivered timely food and drink orders, ensuring customer satisfaction while maintaining strong coordination with kitchen and bar teams.
- Demonstrated excellent communication and multitasking skills, ensuring smooth operations during high-demand periods.

Healthcare Worker

University of Illinois at Chicago | August 2020 – August 2021

- Administered COVID-19 tests while providing clear instructions to patients, ensuring compliance with health protocols.
 - Managed sensitive information with confidentiality and professionalism, showcasing trustworthiness and attention to detail.
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EXTRACURRICULAR ACTIVITIES

NCAA Division 1 Track and Field | University of Illinois at Chicago

2018 - 2022