

Alyssa Peer

Linkedin: <https://www.linkedin.com/in/alyssapeer91614>

Email : alyssapeer14@gmail.com

EDUCATION

- **Loyola University Chicago** Chicago, IL
Masters in Applied Statistics Aug 2022 - Present
Courses: Applied Regression Analysis with R, Probability and Statistics, Categorical Data Analysis, and Nonparametric Statistical Methods.
- **Florida State University** Tallahassee, Florida
Bachelor of Science in Management Information Systems; Minor in Mathematics Aug 2019 - May 2021
Courses: Database Management with SQL, Computer Programming with Python, MIS Analysis and Design, and Big Data.

TECHNICAL SKILLS

- **Languages:** R, Python, SQL, SAS
- **Tools:** Microsoft SQL Server, Power BI, Version Control: Git, RStudio, Excel
- **Data Science:** Statistical Analysis, Spatial Analysis, Data Visualization, Regression, GLM, PCA

EXPERIENCE

- **Loyola University Chicago** Chicago, IL
Research Assistant Aug 2022 - Current
 - **Air Quality Research:**
 - Utilizing R and appropriate geostatistical methods to investigate and visualize the spatial trends of PM2.5 in the Chicago area.
 - Performing a literature review of best validation practices to use with Purple Air Sensors.
 - **Data Acquisition:** Retrieved temporal data of Chicago's PM 2.5 levels and associated environmental data from Purple Air using a REST API.
- **WCG KMR Group** Chicago, IL
Marketing Analyst Jul 2021 - May 2022
 - **Marketing Performance:** Increased b2b marketing campaign outreach by over 300 percent through performance tracking of marketing campaigns and creating daily lead reports for senior leadership.
 - **Usage Data:** Analyzed and visualized usage data of 800+ users to create reports for client facing presentations.
- **Universal Property and Casualty Insurance Company** Fort Lauderdale, FL
Data Research Analyst Jul 2020 - Jan 2021
 - **Data Cleansing:** Cleaned data by using relational database management techniques and Microsoft Excel to transform and analyze data to foster efficiency in finding proper insights
 - **Data Visualization:** Tracked daily variances in claim counts and created a Power BI report to produce an interactive dashboard that tracked productivity among claims analysts.

RESEARCH

- **Graduate Research Symposium Poster Presentation** Chicago, IL
Loyola University Chicago April 22, 2022
 - **From Sensors to Insights: Understanding the Spatial Distribution of PM2.5 in Chicago:** Discussed research findings with attendees and answered questions about methodology and results.

PROJECTS

- **Climate Resilience:** Building classification models to predict whether socially vulnerable communities in Florida are at a higher climate risk.
- **Time Series Data:** Modeled renewable energy production in the United States over the past 40 years using the Generalized Least Squares Method.

VOLUNTEERING AND INVOLVEMENT

- **PAWS Chicago, Volunteer and Professional Board Member:** Providing care and raising funds for homeless animals in the Chicago area. (Jan 2022 - Present)
- **Statistics Without Borders, Data Analyst, Operations Team:** Conducting an internal review of the project pipeline and performing Ad Hoc analysis for a cross-national team of executives. (Aug 2021 - Present)
- **Alpha Kappa Psi, Vice President of Operations:** Facilitated operations for the Beta Psi Chapter of Alpha Kappa Psi through effective communication with 12 other executive members and promoted involvement of 130+ members. (Mar 2020 - Apr 2021)