

Lucas Munoz

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SUMMARY

Detail-oriented Data Science graduate student with applied statistical knowledge and hands-on experience using Python and R. Demonstrated ability to communicate complex concepts to diverse audiences effectively. Eager to contribute skills in data analysis and modeling, leveraging academic backgrounds to solve real-world problems during an internship. Experience includes collaborating on machine learning projects, analyzing datasets for insights, and presenting findings clearly to non-technical stakeholders. Excited to apply this background at TechNova Solutions while driving impactful, data-driven decisions.

EDUCATION

Master of Science in Data Science
Yale University GPA: 3.8
Coursework: Statistics, Programming, Machine Learning, Data Visualization

2026
New Haven, CT

TECHNICAL SKILLS

- **Statistical Software:** R, SAS, SPSS
- **Programming Languages:** Python, R, SQL
- **Data Visualization Tools:** Tableau, Matplotlib, Seaborn
- **Machine Learning Libraries:** Scikit-learn, TensorFlow, Keras
- **Project Management Tools:** Trello, Asana, JIRA
- **Data Handling Technologies:** Excel, Google Sheets, Power BI
- **Database Management:** SQL Server, PostgreSQL, MongoDB
- **Version Control Systems:** Git, GitHub, Bitbucket
- **Cloud Computing Platforms:** AWS, Azure, Google Cloud
- **Proofing and Presentation Tools:** PowerPoint, Microsoft Word, LaTeX

SKILLS

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|------------------------|------------------------|-----------------------|-------------------------|
| • Statistical Analysis | • Machine Learning | • Data Collection | • Programming |
| • Python | • Data Manipulation | • Data Validation | • Report Generation |
| • R | • Communication Skills | • Data Interpretation | • Forecasting |
| • Data Visualization | • Problem Solving | • Model Development | • Workshop Facilitation |

EXPERIENCE

Data Science Intern
University Research Lab

June 2025 - Present
New Haven, CT

- Support complex data science projects by designing and implementing algorithms, analyzing findings, and collaborating with faculty.
- Collaborated with faculty to design and implement machine learning models for predictive analytics, improving project outcomes.
 - Analyzed large datasets producing comprehensive reports for academic dissemination, enhancing research visibility.
 - Employed Python and R for intricate data manipulation, contributing accuracy in statistical modeling and visualizations.
 - Simplified technical findings through clear presentations aimed at diverse audiences, facilitating executive decision-making.
 - Assisted in rigorous data validation processes ensuring integrity of metrics utilized in multiple research initiatives.
 - Conducted extensive literature reviews guiding the development of robust methodologies for ongoing projects.

Capstone Project Developer
Independent

September 2024 - May 2025
New Haven, CT

- Led a collaborative effort developing data solutions to enhance local business operations with a focus on inventory management.
- Spearheaded team efforts in developing statistical models for demand forecasting, influencing local inventory strategies.
 - Utilized R for sophisticated data analyses enabling predictive reporting that informed stakeholder decision-making.
 - Facilitated training workshops focused on presenting data visualization techniques, strengthening peer competencies.
 - Gathered qualitative data through surveys and interviews increasing depth and quality of final project deliverables.
 - Presented analytical transformations to stakeholders at university symposiums, enhancing project recognition.
 - Engaged in an iterative evaluation process refining recommendations based on real-time feedback from participants.

Academic Research Assistant

Statistical Department

January 2024 - August 2024

New Haven, CT

Assisted in various data-centric research initiatives, focusing on accurate data analysis and methodological integrity.

- Supported multiple research projects requiring advanced statistical programming, furthering research objectives.
- Engaged in data collection initiatives ensuring adherence to high-quality standards amidst project timelines.
- Applied SAS for detailed extraction and analysis of experimental data, providing key insights into project impacts.
- Played a role in drafting manuscripts aiding submission processes for peer-reviewed journals, reinforcing academic reputation.
- Conducted educational workshops for undergraduates enhancing overall departmental capabilities in data analysis.
- Contributions improved team's output significantly during conferences enhancing both participation interest and general awareness.

LEADERSHIP & AWARDS

- Dean's List, Yale University (2024, 2025)
- First Place, University Data Science Hackathon (2025)

CERTIFICATIONS

- Google Data Analytics Professional Certificate  2025
- IBM Data Science Professional Certificate  2025

PROFESSIONAL AFFILIATIONS

- Member, Data Science Society (2023 – Present)
- Volunteer, Local Community Coding Bootcamp (2024)

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST