

JACKSON MILLER

Director | Data Science | Research Leadership

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SUMMARY

Seasoned data science leader with over 10 years of experience in interdisciplinary research and administration. Skilled in securing funding and leading large-scale projects, with proven success bringing in \$2M in grants. Passionate about advancing data science as a catalyst for innovation.

SKILLS

Research, Leadership, Data Science, Grant Writing, Project Management, Cloud Computing

EXPERIENCE

01/2015 - Present

Washington, D.C.

Senior Data Science Manager

IBM

- Secured \$2M in funding for groundbreaking research projects, engaging with cross-functional teams and stakeholders to ensure successful project delivery.
- Led a team of 15 data scientists in developing and implementing innovative data analytics solutions, resulting in a 30% increase in processing efficiency.
- Collaborated with university researchers to enhance curriculum development and workforce training initiatives, effectively bridging academic theory and industry practice.
- Conducted comprehensive research on data security and privacy, providing strategic recommendations adopted by national-level institutions.
- Oversaw development of a cloud-based analytics platform, resulting in a 40% increase in user engagement across various sectors.
- Mentored undergraduate and graduate students, fostering a collaborative environment and enhancing their practical and theoretical data science knowledge.

06/2010 - 12/2014

Arlington, VA

Research Program Manager

National Science Foundation (NSF)

- Successfully managed interdisciplinary research projects at the national level, ensuring alignment with strategic goals and timely completion of objectives.
- Developed comprehensive grant proposals and secured \$1.5M in funding, significantly contributing to the advancement of computational research domains.
- Engaged with senior faculty and research staff to promote a culture of innovation, resulting in a 25% increase in collaborative projects.
- Facilitated partnerships with academic and industry stakeholders, resulting in increased visibility and impact for Smithsonian and DSI initiatives.
- Implemented project management best practices, achieving a 95% project success rate and enhancing the research program's national reputation.

01/2006 - 05/2010

McLean, VA

Lead Data Scientist

Booz Allen Hamilton

- Played a pivotal role in designing algorithms for large-scale data integration projects, improving process efficiency by 40%.
- Led a team of data analysts in developing predictive models for government agencies, enhancing decision-making capabilities by 30%.
- Co-authored several research papers published in peer-reviewed journals on biostatistics and computational methodologies.
- Conducted workshops and seminars on data science applications, reaching over 500 participants annually.

EDUCATION

01/2002 - 01/2006

Baltimore, MD

Ph.D. in Computational Biology

Johns Hopkins University

EDUCATION

01/2000 - 01/2002 • Master's in Computer Science
College Park, MD University of Maryland

PROJECTS

Open Source Data Integration Tool

Led a team to develop a niche open source tool for data integration. [github.com/opendata_integration](#)

Predictive Analytics for Healthcare

Developed a predictive analytics tool for healthcare data, enhancing patient outcome forecasts. [github.com/healthcare_predictive_tool](#)

KEY ACHIEVEMENTS



Securing Major Research Grants

Secured over \$3.5M in research funding through competitive grant writing, successfully resulting in high-impact projects.



Published Journal Articles

Authored 10 peer-reviewed journal articles, contributing to the fields of computational biology and data science.



Development of Analytics Platform

Led the development of an analytics platform, which boosted institutional data processing by 35%.



Excellence in Teaching Award

Received award for outstanding teaching and mentoring at the graduate level, impacting over 100 students.

INTERESTS

Advancing Data Science

Passionate about leveraging data science to solve real-world problems and advance technological innovation.

Outdoor Exploration

Enjoy hiking and exploring nature, finding inspiration and clarity in natural environments.