

Eli Carey

Lead Data Scientist

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SUMMARY

Passionate Lead Data Scientist with over seven years' diverse experience in developing AI and machine learning strategies that drive meaningful business outcomes. Hands-on expertise lies in transforming complex data into actionable insights, guiding product innovations that yield significant operational improvements. Roles involved mentoring teams, fostering growth, and championing resources to build scalable systems. Collaboration with engineering and product partners fueled successful project launches by defining key metrics for measurement and ensuring seamless integration of solutions. Eager to leverage technical skills in a vibrant environment that embraces innovation and fosters team success.

EXPERIENCE

Lead Data Scientist

Data Innovations LLC 📅 January 2022 - Present 📍 Minneapolis, MN

Responsible for designing and leading advanced AI initiatives to enhance overall efficiency through innovative machine learning models. This role involved collaborating with engineers and cross-functional partners to develop production-quality AI systems, contributing significantly to improving organizational practices for data governance and reliant frameworks.

- Spearheaded design and implementation of AI-driven projects that enhanced productivity across departments.
- Mentored junior data scientists, nurturing a supportive culture that promoted sustainable data science practices.
- Collaborated on identifying business challenges and translated them into structured solutions, improving model accuracy significantly.
- Implemented evaluation techniques for ongoing AI/ML enhancements, aligning results with strategic business goals.
- Led deployment processes for machine learning models, focusing on reliability, performance monitoring, and scalability.
- Drove adherence to responsible AI standards, maintaining high compliance levels with applicable regulations.
- Engaged stakeholders with clear guidance on complex methodologies, ensuring interpretations led to informed decision-making.

Senior Data Scientist

Tech Solutions Corp. 📅 June 2018 - December 2021 📍 Minneapolis, MN

Served as a senior leader in implementing cutting-edge machine learning algorithms that bolstered data analytics efforts within the company. Worked closely with development teams to nurture strong relationships and promote effective method application across various tasks.

- Developed predictive models for product recommendations, significantly elevating customer engagement and satisfaction.
- Conducted rigorous data examinations and feature engineering processes, reinforcing model performance metrics.
- Integrated AI capabilities within ongoing projects, facilitating smoother transitions and substantial technology adoption.
- Monitored success indicators post-deployment, providing actionable feedback that directed future developments.
- Supplied strategic presentations that elucidated insights from complex analytics projects, enabling broad comprehension among stakeholders.
- Participated actively in enhancing best practices throughout the organization's data science functions.

Data Scientist

Data Analytics Firm 📅 March 2016 - May 2018 📍 Minneapolis, MN

Engaged in executing foundational machine learning analyses to derive valuable insights from varied datasets. Emphasized the importance of collaboration and knowledge sharing to propel project successes and elevate overall team effectiveness.

- Implemented classical algorithms to dissect customer behavior, yielding significant reductions in retention issues.
- Prototyped predictive analytics initiatives transitioned successfully to full-scale production with positive client feedback.
- Fostered continuous learning habits within the team, motivating collective achievement of project milestones.
- Supported experimental designs aimed at assessing model results, reiterating the focus on refining approaches based on outcomes.
- Communicated sophisticated analytical ideas clearly to non-technical team members, thereby reinforcing analytics strategy backing.
- Oversaw model monitoring mechanisms, iteratively adjusting tactics based on observational insights.

LEADERSHIP & AWARDS

- Dean's List, University of Minnesota, 2014-2016
- Recognized as Top Innovator at Data Innovations LLC for excellence in AI solution development, 2023

EDUCATION

Master's Degree in Computer Science

University of Minnesota 🎓 GPA: 3.8 📅 2016 📍 Minneapolis, MN

Coursework: Machine Learning, Data Mining, Artificial Intelligence, Algorithms

CERTIFICATIONS

- Certified Data Scientist 📅 2021
- TensorFlow Developer Certificate 📅 2022

TECHNICAL SKILLS

- **Programming Languages:** Python, R, SQL
- **Machine Learning Frameworks:** TensorFlow, PyTorch, Scikit-learn
- **Data Manipulation Libraries:** Pandas, NumPy, Dask
- **Data Visualization Tools:** Matplotlib, Seaborn, Tableau
- **Cloud Platforms:** AWS, Google Cloud, Azure
- **Database Management Systems:** PostgreSQL, MySQL, MongoDB
- **Deployment Tools:** Docker, Kubernetes, Git
- **Version Control Systems:** Git, SVN, Mercurial
- **Data Governance Policies:** GDPR, CCPA, HIPAA
- **Statistical Tools:** SPSS, SAS, MATLAB

SKILLS

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|--------------------|--------------------|-----------------------|-------------------------------|
| • Python | • PyTorch | • Data Governance | • Feature Engineering |
| • Machine Learning | • Data Analysis | • Team Leadership | • Predictive Modeling |
| • Deep Learning | • AI/ML Systems | • Data Visualization | • Automation Tools |
| • TensorFlow | • Model Evaluation | • Statistical Methods | • Natural Language Processing |

PROFESSIONAL AFFILIATIONS

- Member of Data Science Association
- Active volunteer with local tech outreach programs for youth education

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST