

# Silas McCormick

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## SUMMARY

Results-driven Machine Learning Engineer with over five years of experience in designing and deploying innovative solutions. Proficient in Python, specifically on the Databricks platform, supporting data transformation, analytics, and machine learning workloads. Collaborated with cross-functional teams to integrate AI models into systems while ensuring compliance and operational reliability. Committed to implementing best practices in CI/CD and DevOps for streamlined workflows. Enthusiastic about engaging with evolving technology, utilizing a learner's mindset to continually enhance skills while contributing valuable insights to enhance processes and outcomes.

## EXPERIENCE

### Senior Machine Learning Engineer

June 2021 - Present

Data Solutions Inc.

*Naperville, IL*

Lead efforts in designing and developing machine learning workflows on the Databricks platform. Partnered with data scientists to deploy custom models effectively. Implemented key CI/CD practices to streamline data pipeline management. Analyzed complex datasets to guide business decisions using SQL and Power BI.

- Collaborated with analytics teams to transform models into production-ready solutions.
- Maintained and improved Databricks jobs supporting data transformation efficiencies.
- Configured external AI models for secure API connections managed through Databricks.
- Developed clean, modular, documentable Python code enhancing maintainability and performance.

### Machine Learning Engineer

January 2019 - May 2021

Tech Innovations LLC

*Champaign, IL*

Focused on building and maintaining Databricks notebooks aimed at improving data workflows for machine learning scales. Worked closely with multiple departments to ensure models met high standards for governance.

- Integrated AI capabilities seamlessly speech for structured data transformation.
- Ensured model governance compliance through holistic collaboration.
- Supported analytics efforts with robust visualizations directly sourced from SQL databases.
- Contributed to the development and deployment of scalable solutions in varied environments.

### Junior Machine Learning Engineer

July 2016 - December 2018

Future Tech Solutions

*Peoria, IL*

Assisted seasoned engineers in creating machine learning models using advanced technologies such as TensorFlow. Focused on building foundational skills in client-facing implementations while improving team methodologies.

- Helped refine data analysis processes, boosting comprehension of model performances.
- Documented coding standards to build future-proof machine learning solutions.
- Participated in collaborative efforts that led to successful model launches across diverse projects.
- Cultivated effective communication strategies within the development team.

## LEADERSHIP & AWARDS

- Certified Machine Learning Specialist recognition received in June 2020
- Azure Data Scientist Associate certification completed in March 2021

## EDUCATION

### Bachelor's Degree in Computer Science

2016

University of Illinois GPA: 3.8

*Champaign, IL*

**Coursework:** Data Structures, Machine Learning, AI Programming, Data Visualization

## CERTIFICATIONS

- Certified Machine Learning Specialist 📅 2020
- Azure Data Scientist Associate 📅 2021

## TECHNICAL SKILLS

- **Development Tools:** Databricks, Azure, JIRA
- **Programming Languages:** Python, SQL

- **Machine Learning Libraries:** TensorFlow, PyTorch
- **APIs:** RESTful, GraphQL
- **Deployment Techniques:** Docker, Kubernetes
- **CI/CD Services:** Azure DevOps, Jenkins
- **Visualization Tools:** Power BI, Tableau
- **Data Storage:** SQL Server, MongoDB
- **Version Control:** Git
- **Communication Tools:** Slack, Microsoft Teams

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## SKILLS

- Machine Learning
- Python
- Databricks
- CI/CD
- SQL
- AI Model Integration
- Data Visualization
- TensorFlow
- PyTorch
- MLflow
- DevOps Practices
- Asynchronous Programming
- Data Analysis
- API Management
- Model Governance
- Collaboration Tools

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## PROFESSIONAL AFFILIATIONS

- Member of the Association for Computing Machinery since 2017.
- Active participant in local ML community meetups, fostering knowledge sharing.

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## LANGUAGES

- English (Native)
- Spanish (Proficient)

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## ADDITIONAL INFORMATION

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

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## REFERENCES

AVAILABLE ON REQUEST