

# Silas McCormick

## Senior Machine Learning Operations Engineer

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### STRENGTHS

- Strong Collaboration Skills**  
Successfully partnered with engineers and scientists, bringing diverse perspectives into project implementation. Team members appreciate my ability to unite different specialties towards common goals.
- Adaptable Mindset**  
Embraced new tools and protocols efficiently, often serving as a resource for colleagues navigating changes. Appreciated for quick adoption of more efficient workflows.
- Proficient Problem Solver**  
Utilized critical thinking to address challenges promptly during modeling phases. Management relies on my insight for devising innovative resolutions.
- Effective Communicator**  
Helped bridge technical gaps by articulating complex concepts simply. Prioritizing clarity contributes directly to enhanced team cohesion and understanding.
- Detail-Oriented Developer**  
Prioritize structure and accuracy in code reviews. This diligence ensures higher-quality outputs understood and utilized correctly across functions.

### SKILLS

Machine Learning Python

Databricks CI/CD SQL

AI Model Integration

Data Visualization TensorFlow

PyTorch MLflow

DevOps Practices

### 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

Data Solutions Inc. June 2021 - Present 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

Tech Innovations LLC January 2019 - May 2021 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

Future Tech Solutions July 2016 - December 2018 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

Asynchronous Programming

Data Analysis API Management

Model Governance

Collaboration Tools

## LANGUAGES

English Native

Spanish Proficient

## MY CAREER



● Senior Machine Learning Engineer at Data Solutions Inc. (5 Years)

● Machine Learning Engineer at Tech Innovations LLC (2.3 Years)

● Junior Machine Learning Engineer at Future Tech Solutions (2.4 Years)

University of Illinois 🎓 GPA: 3.8 📅 2016 📍 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

## PROFESSIONAL AFFILIATIONS

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

## ADDITIONAL INFORMATION

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

## REFERENCES

AVAILABLE ON REQUEST