



# Silas McCormick

## AI Workflow Engineer

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### SUMMARY

Results-driven AI Workflow Engineer with over 5 years of experience developing and optimizing data workflows for research applications. Proven expertise in integrating AI technologies to enhance operational efficiency and drive innovation. Skilled in collaborating with cross-functional teams to deliver impactful solutions that meet and exceed project goals. Adept at communicating complex technical concepts to non-technical stakeholders, ensuring alignment and understanding. Passionate about solving intricate problems while fostering a culture of collaboration and continuous improvement.

### EXPERIENCE

#### Data Workflow Engineer

TechFlow Solutions 📅 January 2022 - Present 📍 Chicago, IL

Focused on designing and implementing data workflows that improve processing speed for research projects. Collaborated with scientists to understand their needs, resulting in custom AI solutions tailored to various challenges. Responsible for maintaining existing workflows, ensuring data quality and accessibility.

- Designed and implemented data workflows improving processing speed by 30%.
- Collaborated with research scientists to identify nuanced requirements.
- Developed AI-enabled solutions tailored to specific research challenges.
- Maintained and optimized existing workflows to ensure efficient data availability.

#### Software Development Engineer

InnoTech Labs 📅 June 2019 - December 2021 📍 Evanston, IL

Developed software applications integrating AI and machine learning algorithms dedicated to automating data analysis processes. Worked closely with project managers and contributed to defining project scope effectively.

- Produced multiple software applications for AI and ML integration.
- Worked closely with project managers to define project needs.
- Led junior developers, sharing best practices for enhanced productivity.
- Automated data analysis, significantly reducing manual input requirements.

#### Graduate Research Assistant

University of Illinois 📅 August 2016 - May 2019 📍 Champaign, IL

Contributed to the development of AI models essential for advanced data analysis as part of an academic research initiative. Assessed model performance through rigorous experimentation and validation.

- Assisted in developing AI models for enhanced data analysis capabilities.
- Conducted experiments validating model accuracy and effectiveness.
- Presented research findings at various academic conferences.
- Collaborated with faculty to refine procedures and methodologies.

### LEADERSHIP & AWARDS

- Recipient of the TechInnovator Award for outstanding contributions in AI project development.
- Recognized as Top Employee for teamwork and innovative solutions at TechFlow Solutions.

### EDUCATION

#### Master's Degree in Computer Science

University of Illinois 🎓 GPA: 3.8 📅 2020 📍 Champaign, IL

**Coursework:** AI Algorithms, Data Structures, Machine Learning, Database Systems

### STRENGTHS

#### 👥 Collaboration

Facilitated partnerships among diverse teams; built trust leading to effective communication.

#### 🔄 Adaptability

Embraced new challenges swiftly, turning obstacles into opportunities for innovation.

#### 🛠️ Technical Acumen

Mastered critical AI tools, guiding others through complex integrations to meet deadlines.

#### 📊 Analytical Skills

Broke down intricate problems; developed actionable solutions driving positive outcomes.

#### 💬 Effective Communication

Simplified complex concepts for stakeholders; fostering clarity and informed decisions.

### SKILLS

AI Integration

Software Development

Data Workflow Optimization

Communication

Project Management

Problem Solving Machine Learning

Team Collaboration

Research Analytics Programming

Agile Methodologies

Cloud Services

Database Management

System Architecture

Requirements Analysis

Quality Assurance

## LANGUAGES

English Native

Spanish Intermediate

## MY CAREER



● Data Workflow Engineer at TechFlow Solutions (4.4 Years)

● Software Development Engineer at InnoTech Labs (2.5 Years)

● Graduate Research Assistant at University of Illinois (2.8 Years)

## CERTIFICATIONS

- Certified AI Specialist 📅 2021
- AWS Certified Solutions Architect 📅 2022

## TECHNICAL SKILLS

- **Workflow Management Tools:** JIRA, Trello, Asana
- **Data Processing Frameworks:** Apache Spark, Hadoop, Apache Flink
- **Programming Languages:** Python, Java, C++
- **Database Technologies:** SQL Server, MongoDB, PostgreSQL
- **Machine Learning Tools:** TensorFlow, PyTorch, Scikit-learn
- **Cloud Platforms:** AWS, Azure, Google Cloud
- **Version Control Systems:** Git, SVN, Mercurial
- **AI Frameworks:** LangGraph, Dify, ONNX
- **Communication Tools:** Slack, Zoom, Microsoft Teams
- **DevOps Tools:** Docker, Kubernetes, Jenkins

## PROFESSIONAL AFFILIATIONS

- Active Member of the Society for Artificial Intelligence Professionals.
- Volunteer Mentor at Code.org promoting computer science education.

## ADDITIONAL INFORMATION

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

## REFERENCES

AVAILABLE ON REQUEST