

# Easton Watkins

📞 (303) 555-0182

✉️ easton.watkins@example.com

🌐 linkedin.com/in/eastonwatkins

📍 1234 Maple St, Denver, CO 80204

## SUMMARY

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A dedicated and seasoned Machine Learning Engineer with over six years of rich experience developing scalable ML solutions in cloud environments. Specialized in translating complex models into production-ready systems through effective MLOps automation. Collaboration is at the core of daily work, aligning closely with cross-disciplinary teams to enhance AI platform capabilities while nurturing an environment of curiosity and growth within the organization. Passionate about mentoring peers in best practices for ML engineering and promoting innovative infrastructure design. Eager to bring this expertise to Tech Solutions Inc., contributing positively from day one.

## EXPERIENCE

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### Senior Machine Learning Engineer

March 2022 - Present

AI Innovations Group

*Austin, TX*

Oversaw the design and implementation of cutting-edge scalar machine learning systems aimed at optimizing performance and scalability. Actively collaborated with data scientists on model development to refine processes and outputs ensuring high-quality machine learning applications. Enhanced existing MLOps capabilities leading to streamlined deployment and monitoring protocol updates. Fostered a culture of continuous improvement by mentoring junior engineers and sharing insights into advanced ML engineering practices.

- Implemented end-to-end machine learning systems enhancing operational performance.
- Partnered with cross-functional teams to optimize and deploy machine learning models.
- Established robust MLOps best practices, facilitating smoother workflow integration.
- Mentored team members, significantly boosting overall technical skill levels.

### Machine Learning Engineer

July 2018 - February 2022

Cloud Tech Solutions

*Phoenix, AZ*

Focused on building and maintaining infrastructures optimized for machine learning on AWS, ensuring that systems were scalable and resilient. Automated training and deployment pipelines aimed at increasing efficiency while collaborating cohesively with other teams to align AI services towards compliance standards.

- Developed comprehensive hidden workloads to optimize ML infrastructure on AWS.
- Streamlined model training and deployment processes reducing cycle time.
- Collaborated across functions, achieving seamless service levels for all ML applications.
- Maintained ongoing communication with stakeholders, ensuring clarity and alignment in objectives.

### Machine Learning Engineer Intern

June 2016 - June 2018

Data Science Co.

*Los Angeles, CA*

Played a crucial support role in prototype development for machine learning technology through hands-on data management tasks and model deployment activities. Worked alongside seasoned professionals, gathering valuable feedback and adapting methods to enrich project outcomes.

- Assisted in data collection and preprocessing techniques, advancing model training.
- Supported development efforts through hands-on efforts in prototype testing.
- Engaged with varied teams ensuring broad-spectrum comprehension of ML functionalities.
- Documented workflows improving future reference for data processing methodologies.

## LEADERSHIP & AWARDS

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- Recipient of the Best Paper Award at the Annual Machine Learning Conference 2020 for research on Efficient ML Model Deployment.
- Awarded the Engineering Excellence Recognizing Advanced Contributions in AI Systems Development at AI Innovations Group.

## EDUCATION

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### Master's Degree in Computer Science

2016

University of Colorado Boulder GPA: 3.8

*Boulder, CO*

**Coursework:** Machine Learning, Data Structures, Algorithms, Cloud Computing

## CERTIFICATIONS

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- AWS Certified Machine Learning – Specialty 📅 2020
- Microsoft Certified: Azure Data Scientist Associate 📅 2021

## TECHNICAL SKILLS

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- **Infrastructure Management:** Terraform, Ansible, Docker
- **Cloud Platforms:** AWS, Google Cloud, Azure
- **Testing Frameworks:** PyTest, Jasmine, TodoMVC
- **Programming Languages:** Python, Java, R
- **Development Methodologies:** Agile, Scrum, Kanban
- **Version Control:** Git, SVN, Mercurial
- **Data Visualization:** Matplotlib, Seaborn, Tableau
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Continuous Integration:** Jenkins, GitLab CI, Travis CI
- **Monitoring Tools:** Prometheus, Grafana, ELK Stack

## SKILLS

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- Machine Learning
- MLOps
- AWS
- Azure
- CI/CD Workflows
- Data Engineering
- Model Optimization
- Prototyping
- API Design
- Real-Time Processing
- Cloud Arch.
- Environment Management
- Model Monitoring
- Automation Tools
- Team Collaboration
- System Architecture

## PROFESSIONAL AFFILIATIONS

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- Member of the Association for Computing Machinery (ACM), participating in community-driven coding challenges.
- Active member of Women in Machine Learning (WiML), supporting diversity initiatives in tech.

## LANGUAGES

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- English (Native)
- Spanish (Proficient)

## ADDITIONAL INFORMATION

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

## REFERENCES

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AVAILABLE ON REQUEST