

# Mila Aguirre

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## SUMMARY

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Results-driven Machine Learning Engineer with more than five years designing and implementing end-to-end machine learning systems. Expert in optimizing model performance and integrating solutions within cloud environments while leveraging CI/CD workflows. Collaborative leader who deeply values teamwork to advance AI technologies. Committed to delivering meaningful results through innovation and efficiency, fostering strong relationships across departments for shared success.

## EXPERIENCE

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### Senior Machine Learning Engineer

January 2021 - Present

Tech Innovations Inc.

*Austin, TX*

Lead initiatives to design robust machine learning models and integrate them into user-facing applications. Collaborate closely with a team of data scientists and engineers to improve model efficiencies and deployment processes.

- Engineered advanced machine learning models for predictive analytics, realizing improved accuracy.
- Together with interdisciplinary teams, challenged conventional methods to enhance integration of ML algorithms into various platforms.
- Adjusted methodologies through comprehensive testing, consistently streamlining model validations.

### Machine Learning Engineer

June 2018 - December 2020

Future Data Analytics

*Seattle, WA*

Developed scalable algorithms that empowered analytical capabilities and informed decision-making processes. Managed infrastructure to optimize resource allocation for cloud-based tasks.

- Created and implemented scalable machine learning algorithms to extract valuable insights from data.
- Utilized CI/CD practices, facilitating timely deployment cycles and enhancing operational workflow.
- Coordinated cooling cloud resources and monitored data processing activities to promote sustainability.

### Junior Data Scientist

July 2016 - May 2018

Data Solutions Group

*New York, NY*

Joined the data science team to support creation of analytical tools essential for strategic business insights. Conducted thorough data evaluations to identify actionable trends.

- Participated in developing analytics tools supporting key business decisions.
- Conducted extensive exploratory analysis, showcasing ability to work with large datasets efficiently.
- Collaborated respectfully with peers, contributing to project discussions that advanced our objectives.

## PROJECTS

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### AI Model Development 📅 January 2022

Spearheaded a cross-departmental initiative to build an AI model capable of dynamic behavioral predictions, significantly increasing operational forecasting accuracy.

### Cloud Resource Optimization 📅 November 2021

Led a specification review project designed to increase the efficiency of existing cloud utilization strategies, decreasing instances of resource overruns.

## LEADERSHIP & AWARDS

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- Recognition Award for Innovation—Tech Innovations Inc.—2023
- Employee of the Year—Future Data Analytics—2020

## EDUCATION

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### Master's Degree in Computer Science

2016

University of California, Berkeley GPA: 3.8

*Berkeley, CA*

**Coursework:** Machine Learning, Data Structures, Algorithms, Software Engineering

## CERTIFICATIONS

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- Certified Machine Learning Specialist 📅 2021
- AWS Certified Solutions Architect 📅 2020

## TECHNICAL SKILLS

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- **Machine Learning Tools:** Scikit-learn, TensorFlow, Keras
- **Cloud Platforms:** AWS, Azure, Google Cloud
- **Programming Languages:** Python, R, SQL
- **Version Control Systems:** Git, GitHub, Bitbucket
- **Development Frameworks:** Flask, Django, Streamlit
- **Continuous Integration:** Jenkins, CircleCI, Travis CI
- **Containerization Technologies:** Docker, Kubernetes, OpenShift
- **Database Technologies:** SQL Server, PostgreSQL, MongoDB
- **Visualization Tools:** Tableau, Matplotlib, Seaborn
- **Code Review Practices:** Peer Review, Git Flow, Code Quality Assurance

## SKILLS

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- Machine Learning
- Python
- Algorithm Development
- Model Optimization
- Cloud Computing
- R
- Predictive Modeling
- Data Mining
- CI/CD Workflows
- TensorFlow
- Integration Strategies
- Artificial Intelligence
- Data Analysis
- Keras
- Statistical Analysis
- Performance Metrics

## PROFESSIONAL AFFILIATIONS

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- Member—Association for Computing Machinery (ACM)
- Volunteer—California Data Science Festival

## LANGUAGES

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- English (Native)
- Spanish (Intermediate)

## 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