

# Mila Aguirre

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## SUMMARY

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

### 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

### 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

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

## EDUCATION

### 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

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

## TECHNICAL SKILLS

- **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

- 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

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

## LANGUAGES

- English (Native)
- Spanish (Intermediate)

## ADDITIONAL INFORMATION

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

## REFERENCES

AVAILABLE ON REQUEST