

# Alejandro Ellis

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## SUMMARY

Dynamic Applied AI/ML Software Engineer with robust experience developing advanced AI solutions. Proficient in translating complex business requirements into technical specifications, fostering partnerships that yield impactful outcomes. Successfully implemented machine learning models to enhance supply chain efficiencies through innovative problem-solving. Collaborated with technical staff and stakeholders alike, ensuring seamless project execution and measurable business value across initiatives. Passionate about employing analytical capabilities and AI technologies to bridge gaps in current systems. Looking forward to leveraging expertise at Tech Innovations Group to inspire transformative change in supply chain operations.

## EXPERIENCE

### AI/ML Software Engineer

January 2023 - Present

Data Solutions Inc.

San Francisco, CA

Act as the lead engineer for AI model development targeted at enhancing supply chain performance. Drive collaborations across teams, capturing business needs and aligning them with practical technical solutions.

- Spearheaded development of AI models improving operational efficiency by 20%.
- Deployed GCP-based machine learning models, integrating seamlessly with existing data management.
- Collaborated across departments, gathering insights on technical specifics for project alignment.
- Established rigorous testing protocols for ongoing model evaluation safeguarding stakeholder interests.

### Junior Data Engineer

June 2021 - December 2022

NextGen Technologies

Austin, TX

Contributed as a junior member supporting data pipeline initiatives integral to AI strategies, showcasing an ability to distill complex data into strategies that drive value.

- Assisted with formulation and implementation of data pipelines in Python and SQL.
- Took part in documenting technical specifications stemming from requirement analysis sessions.
- Analysed datasets and generated impactful insights steering decision-making processes.
- Worked closely with team members on optimizing data workflows driving project success.

### Research Intern

September 2020 - May 2021

University of Washington

Seattle, WA

Engaged in research focused on forwarding AI applications in supply chain contexts while cultivating hands-on experience within machine learning frameworks.

- Presented findings on AI-driven supply chain techniques tailored for faculty reviews.
- Produced prototypes of AI models under senior guidance, demonstrating initiative and creativity.
- Participated in collaborative discussions shaping future application strategies for projects.
- Attained valuable skills regarding real-world impacts of AI in complex environments.

## LEADERSHIP & AWARDS

- Recognized as Best Emerging Engineer at Data Solutions Inc. for contributions in smart supply chain solutions.
- Received Honorable Mention for Innovative Research Design during Academic Symposium.

## EDUCATION

### Bachelor's Degree in Computer Science

2020

University of California, Berkeley GPA: 3.8

Berkeley, CA

**Coursework:** Data Structures, Algorithms, Machine Learning, Statistics

## CERTIFICATIONS

- Certified Machine Learning Specialist 📅 2021
- Google Cloud Professional Data Engineer 📅 2022

## TECHNICAL SKILLS

- **Programming Languages:** Python, SQL
- **Machine Learning Frameworks:** TensorFlow, scikit-learn

- **Cloud Services:** GCP, Azure ML
- **Version Control:** Git, GitHub
- **Databases:** PostgreSQL, MySQL
- **Data Visualization Tools:** Tableau, Power BI
- **API Development:** RESTful services
- **Containerization:** Docker
- **Big Data Technologies:** Spark, Hadoop
- **DevOps Practices:** CI/CD pipelines

## SKILLS

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- Python
- AI/ML model deployment
- data modeling
- machine learning
- SQL
- data analysis
- cloud architecture
- scikit-learn
- GCP
- project management
- API integration
- TensorFlow
- Azure ML
- stakeholder engagement
- predictive analytics
- Pandas

## PROFESSIONAL AFFILIATIONS

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- Member, Association for Computing Machinery - Actively participate in workshops and networking events.
- Volunteer, Tech For Good - Contributing technical skills to non-profits aiming for community impact.

## 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