

Jose Eduardo Corona Espinoza

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Experience

LinkedIn

Sunnyvale, CA

SENIOR SOFTWARE ENGINEER

August 2022 - Present

SOFTWARE ENGINEER

August 2020 - August 2022

- Increased lead evaluation capacity by 64% by leading 3 engineers to design and deliver a RAG-backed long-term memory layer for the B2B Growth Agent, establishing episodic memory architecture that links similar prospect profiles and sets the foundation for future multi-agent B2B offerings.
- Reduced cost per lead by up to 50% by standing up the B2B Growth Agent's core LLM inference infrastructure on a confidential Azure stack, driving alignment across Infra, Legal, InfoSec, and Data Platform on security, prompt engineering, and agentic design to deliver alpha lead scoring workflows.
- Increased the usage of skills by recruiters during hiring by 2.9% and inMail acceptance rate by 1.5% by leading 4 engineers and cross-team partners in the development of a dynamic Recruiter Search Skills Match Insight that highlights candidate skill overlap with contextual skills leveraging various static and online machine learning data sources
- Increased the adoption of our screening questions offering as measured by a 13.64% increase in jobs with screening questions by leading the effort to achieve feature parity of our screening question recommendation system on our mobile job posting flow.

Google

Mountain View, CA (Remote)

SOFTWARE ENGINEER INTERN

May 2020 - August 2020

- Collaborated with teammates and open source contributors to develop quantized versions of Keras recurrent neural network layers such as SimpleRNN, LSTM and GRU for the QKeras library
- Implemented a clustering based non-uniform weight quantization scheme from a published research paper and successfully extrapolated the concept to compress activation values up to 64% with negligible accuracy degradation.

Square

Atlanta, GA

SOFTWARE ENGINEER INTERN

September 2019 - December

2019

- Designed and implemented a probabilistic demand forecasting deep learning model that can learn patterns across millions of related series from thousands of unique users to serve smarter low stock alerts at scale. Try it out in the Square merchant app!
- Contributed a cache management feature to a Square open source data science framework that enables larger end-to-end experiments to execute with less memory resources by disabling in memory caching

Goldman Sachs

New York City, NY

TECHNOLOGY SUMMER ANALYST

June 2019 - August 2019

- Streamlined a time critical and costly business process by developing a machine learning based recommendation system with samples F1 score of 0.92
- Managed technical and non-technical stakeholders across several divisions to drive my initiatives

First American Financial

Santa Ana, CA

MACHINE LEARNING INTERN

June 2018 - April 2019

- Designed and deployed an ensemble classifier and pre-processor that outperformed the legacy system by 20% recall and allowed the firm to shift resources to more time critical operations
- Collaborated with a team of senior engineers and consultants on AI strategy and implementation

Education

University of California, Irvine

Irvine, CA

BACHELOR OF SCIENCE IN COMPUTER SCIENCE, GPA:3.624/4.0

June 2020

- **Honors** Information and Computer Science Honors Program; Dean's Honor List 6 quarters
- **Relevant Coursework** Design & Analysis of Algorithms, Data Structure Implementation & Analysis, System Design, Machine Learning and Data Mining, Statistical Natural Language Processing, Information Retrieval, Convolutional Neural Networks for Visual Recognition, Graph Algorithms, IoT Software and Systems, Data Management, Principles of Operating Systems

Skills

Programming Python, Java, C++, C, SQL, Go

Industry Backend, Machine learning, Deep learning, Microservices, Natural language processing, Computer vision

Languages English, Spanish