

Francisco Arriaga

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Summary

AI developer specialized in deep learning and computer vision. My work has focused primarily in generative modeling and recommender systems. A mixed background in mathematics, psychology, and computer science allows me to approach problems with technical rigor without foregoing explainability. I leverage years of experience as an academic researcher as well as a Machine Learning contractor and Statistical Research Analyst for industry.

Technical Skills

Languages	Technologies	Concepts
Python	PyTorch & Tensorflow	Deep Learning
SQL	Numpy & Pandas	Computer Vision
Java	OpenCV & Sci-Kit learn	Recommender Systems
R	Docker	Artificial Intelligence
JavaScript	Next Js	Machine Learning

Industry Experience

MediTrak Life, Inc. <i>Machine Learning Engineer</i>	Dec 2023 – Present <i>West Lafayette, IN (remote)</i>
<ul style="list-style-type: none">Conceptualized and implemented a system to help regulate blood pressure through behavioral recommendations derived from XGBoost regressors.Used 3 different augmentation schemes on extremely sparse patient data, and user transfer learning to personalize the recommender algorithm to each user.	
El Paso Community College <i>Statistical Research Analyst</i>	Jan 2019 – Present <i>El Paso, TX</i>
<ul style="list-style-type: none">Maintained and queried a database of student academic data using MySQL.Established a data pipeline to automatize reporting processes with Pandas.Assisted in the implementation of a district wide change of counseling strategy by providing data driven insights.	

Research Experience

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Education

MS in Artificial Intelligence	University of Texas at El Paso - 2022
BS in Mathematics & Psychology	University of Texas at El Paso - 2019