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Jose Luis Velasquez Sosa

Summary

Proven Data & Machine Learning Engineer with multicultural background, and experience delivering ML-based, auto-scaling microservices. Passionate about providing solutions to hard problems. World citizen, amateur musician, and epiphany addict.

EXPERIENCE

Corvus Insurance, Boston — *Software Engineer - Enable Data Science*

June 2020 - Present

- Standardized data-science software practices by defining key engineering processes, and a core internal API.
- Optimized, operationalized, and managed data-science infrastructure on AWS with terraform, docker, and Kibana. Trained data-scientist
- Translated simple probabilistic logistic regression models from pyro, in python, to Nx, in elixir, in order to train/serve models in GenServers.

Alyce, Boston — *Data & Machine Learning Engineer*

April 2019 - May 2020

- Built data pipelines and orchestration to sync organization databases and data sources to build and populate the company's data warehouse.
- Designed and built ML-Operations methodology implementing CI/CD and CT (Constant training) to deploy Tensorflow, Pytorch and scikit-learn models with REST endpoint.
- Built and deployed into production over a dozen of different Machine Learning models including, but not limited to recommender systems, language models and multi-label classification models.
- Worked within the Product team and collaborated with remote engineering teams to deliver new product features.

Ernst & Young, Amsterdam — *Research Intern*

March 2018 - July 2018

- Built, trained and deployed deep learning models for eDiscovery services. Focused on Contract Element Extraction.
- Performed performance analytics to determine model reliability and performance.

EDUCATION

Maastricht University — *BSc. Data Science and Knowledge Engineering*

October 2018, Maastricht, NL

- Thesis: "Neural Attention and Morphological Embedding for Contract Element Extraction". built and tested different deep learning models that read contract contents.
- Closing the Loop Project: Trained self balancing inverted pendulum system by creating a communication protocol between reinforcement learning agents and a robot arm controller.
- Your Move, Hex Project: Developed game playing agent which achieved super-human performance for the board game Hex

Skills:

- Machine Learning
- Deep Learning
- Natural Language Processing
- Python
- Scikit-learn
- Tensorflow
- Pytorch
- Elixir
- Scala
- Spark
- Apache Beam
- Apache Airflow
- Kubernetes
- Kubeflow
- TFX
- CI/CD/CT
- Google Cloud Platform
- AWS
- Terraform
- Dataflow
- Data Analysis
- ETL
- Spanish

Interests

- Guitar
- Rugby
- Rock Climbing
- Volunteering
- Soccer
- Piano
- Dancing

Contacts

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