Kevin Speyer - Data Scientist

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PROFESSIONAL EXPERIENCE

Sr. Machine Learning Engineer at **D24** 2022 - Present

- Deployed a webapp to redirect deposits using predictive timeseries ML models, decreasing manual intervension 80%.
- Developed a credit card fraud detection API using LightGBM, Flask, Docker and AWS, saving 20k usd per month.
- Built a Life-Time Value model to predict users behavior using Fast-API and DynamoDB.

Sr. Data Scientist (Lead Engineer) at **Jampp** 2020 - 2022

- In charge of the module that controls the offering price of the real-time bidder, increasing the spend from 92% to 98% of the budget using control theory.
- Implemented a second order descend mechanism to find an optimal bidding range, reducing manual intervention by 40%.
- Developed a nonparametric A/B testing platform that enabled the whole company to correctly assess the outcome of experiments for non-gaussian data.
- Constructed a dashboard to meassure the key spend metrics and monitor efficency of services with Airflow and Superset.
- Implemented a Machine Learning model to target devices looking at their historical behavior (LTV), reducing cost per action up to 30%.

Data Scientist at **Cybertec Schönig & Schönig GmbH** 2018 - 2020

- Designed and implemented a high performance genetic algorithm to optimize the use of resources in the meat industry, increasing revenue 25%.
- Developed a revenue management web app for the airline industry using a feedback control loop algorithm and clustering which automated fare prices updates.
- Researched a cost-effective way to reduce the amount of backup disks in warehouse, implementing ML models.
- Developed a theme specific text generator webapp retraing a LLM (GPT-2) fine tunned to texts scrapped from the web using Selenium, BeautifulSoup, Flask and Docker.
- Implemented a Reinforcement Learning (Q-learning) algorithm to optimize a logistics problem.

EDUCATION

PhD in Computational Physics 2014 - 2019
"Simulations of liquid flow confined by semiflexible polymer brushes", University of Buenos Aires, CNEA-CONICET

IT SKILLS

Languages & Software: Python (numpy, scipy, pandas, matplotlib, scikit-learn, Keras, TensorFlow, Cython, Selenium, Flask), SQL, Vue.js

Infrastructure & Environment: Linux, git, AWS, Azure, Docker, Jenkins, Kubernetes

LANGUAGES

Spanish, English, German, Portuguese