

Kevin Speyer - Machine Learning Engineer

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PROFESSIONAL EXPERIENCE	Sr. Machine Learning Engineer at D24	2022 - Present
	<ul style="list-style-type: none">• Deployed a webapp to redirect transactions using predictive time series ML models and evolutionary optimization algorithms, decreasing manual intervention and cutting operational costs by 8%.• Developed a credit card fraud prevention API using LightGBM, Flask, Docker and AWS, reducing chargebacks by 80%.• Built a Life-Time Value model to help our partners drive retargeting campaigns and maximize their ROI, using DynamoDB and FasAPI.• Designed an API to perform real-time aggregations of user's historical data on multiple dimensions, allowing to create various hard rules to prevent fraud.• Created a bot to resolve customer-experience tickets using an OCR and event-driven architecture, automating 60% of the cases.	
	Sr. Machine Learning Engineer (Lead) at Jampp	2020 - 2022
	<ul style="list-style-type: none">• 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.• 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 measure the key spend metrics and monitor efficiency 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%.	
	Machine Learning Engineer at Cybertec Schönig & Schönig GmbH	2018 - 2020
	<ul style="list-style-type: none">• Designed and implemented a high performance genetic algorithm to optimize the use of resources in the meat industry, increasing revenue 25%.• Developed a theme specific text generator webapp retraining a LLM (GPT-2) fine-tuned to texts scrapped from the web using Selenium, BeautifulSoup, Flask and Docker.• Implemented a Reinforcement Learning (Q-learning) algorithm to optimize a logistics problem with OR-Tools as benchmark.	
EDUCATION	PhD in Computational Physics “Simulations of liquid flow confined by semiflexible polymer brushes”, University of Buenos Aires, CNEA-CONICET	2014 - 2019
TECH STACK	<p><i>Languages & Software:</i> Python (numpy, scipy, pandas, matplotlib, scikit-learn, skopt, Keras, TensorFlow, Cython, Selenium, Flask, FastAPI), SQL, Vue.js</p> <p><i>Infrastructure & Environment:</i> Linux, git, AWS, Azure, Docker, Jenkins, Kubernetes, Bitbucket Pipes</p>	
LANGUAGES	Spanish, English, German, Portuguese	