

## Kevin Speyer - Data Scientist

---

Argentinian / German  
Buenos Aires, Argentina  
speyer.kevin@gmail.com

### PROFESSIONAL EXPERIENCE

- Sr. Data Scientist at D24* 2022 - Present
- 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 detection 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.
  - Performed a clustering analysis using k-means to understand the users behavior in our platform, leading to a redesign of the way we score users.
  - Combined OCR with string similarity algorithms to automating 60% of the cases.
- 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.
  - 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%.
- 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.
  - Developed a theme specific text generator webapp retraining a LLM (GPT-2) fine tuned to texts scrapped from the web.
  - Implemented a Reinforcement Learning algorithm to find optimal solutions to the Vehicle Routing Problem in logistics.

### EDUCATION

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

### TECH STACK

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

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

### LANGUAGES

Spanish, English, German, Portuguese