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TECHNICAL SKILLS

Python ●●●●●●

HTML, CSS ●●●●●●

JavaScript ●●●●●●

R ●●●●●●

SQL ●●●●●●

Matlab ●●●●●●

Git ●●●●●●

SASS ●●●●●●

GDScript ●●●●●●

LANGUAGES

Spanish

Native

English

Professional (C2)

Dutch

Intermediate (B2–C1)

German

Intermediate (B1-B2)

SUMMARY

Decision Scientist with more than 10 years' experience in Experimental Design, Causal Inference, and Behavioral Economics. My experience spans across academia and industry, where I have successfully designed new methods for leveraging data for forecasting customer decisions. I have led the implementation of diverse experiments. Fluent in Python, R, SQL, and front-end technologies with strong communication and mentoring skills.

WORK EXPERIENCE

Decision Scientist | Consultant

2025 – Present

Amsterdam Data Collective (ADC)

- Designed and coordinated execution of multiple experiments using contextual bandits to enable personalized campaigns.
- Estimated causal ML models to predict optimal treatment allocation and assisted on taking code to production.
- Business Outcome:** Increased output of marketing campaigns by 9%

Postdoctoral Researcher

September 2023 – Present

Universiteit van Amsterdam

- Developed new methodologies for incorporating behavioral insights into Machine Learning models.
- Built and deployed 3 full-stack experimental web apps for online user testing (A/B testing). Including the integration of eye-tracking hardware for lab experiments.
- Mentored 3 Research Assistants on experimental design, data analysis, and academic writing. And supervised 20+ MSc. Students in their experimental research projects.

PhD Studies

September 2017 – March 2023

Researcher

July 2015 – April 2017

Pontificia Universidad Católica de Chile

- Led data analysis for Chile's largest work-insurance firm using big data and predictive modeling to enhance workplace safety.
- Designed behavioral interventions in marketing and Operations, contributing to restructure the company's distribution systems.

Data Consultant

Sept 2014 – June 2015

Globalfolio

- Developed and updated econometric models for financial forecasting.
- Presented results, created reports and ensured proper data management.

EDUCATION

PhD. Economics

2019 – 2025

Universiteit van Amsterdam

Research Master Economics

2017 – 2019

Tinbergen Institute + Universiteit van Amsterdam

Majors: Behavioral Economics & Econometrics

MSc. Economics (Cum Laude)

2013 – 2014

Universiteit van Tilburg & Universidad Católica

BSc. Economics and Business

2008 – 2013