



Louis de Bruijn

32-year old Python enthusiast

Data Scientist at **ING Netherlands**

Computational Linguistics, University of Groningen

Natural Language Processing
Full stack Web (Python)

PySpark
Sklearn, NLTK, Pandas, Numpy, Scipy
Flask, Django, Javascript, HTML, CSS

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</> Core expertise

Production machine learning

NLP

Transaction Monitoring

AML/KYC analytics

Model monitoring & governance

Tools & Platform

Scikit-Learn, Pandas, Spark

Django, Flask, FastAPI

Docker, Kubernetes

Interests

Interior design

Marktplaats

Medium articles

Art

Languages

English native/bilingual

Dutch native/bilingual

German professional working

Spanish professional working

French limited working

Personal resume

May 7, 2026

Senior Data Scientist with 5+ years of experience owning production ML systems in regulated financial environments, specializing in transaction monitoring.

Work experience



ING
Amsterdam • 5 yrs 8 mos

- **Senior Data Scientist | Transaction Monitoring**

Apr 2022 - Present • 4 yrs 2 mos

End-to-end ownership of production ML models in AML monitoring, operating in a regulated, multi-country environment.

- Acted as technical point of contact for model validation, audit teams and business stakeholders.
- Mentored junior data scientists and reviewed modeling and production code.

- **Data Scientist | International Talent Programme**

Oct 2020 - Mar 2022 • 1 yrs 6 mos

Management traineeship across NLP, real-time analytics, and credit risk modeling.

- Built and productionized an NLP-based PII anonymization pipeline using Named Entity Recognition.
- Contributed to real-time prediction optimization experiments in a large-scale consumer app.
- Developed credit risk prediction models for direct business lending.
- Co-organized a 2-day internal NLP conference for ING data scientists.



ML Engineer | Data Scientist
Ortec Finance

Sep 2019 - Aug 2020 • 1 yr
Amsterdam

Responsible for implementing various Natural Language Processing (NLP) microservices (APIs): curriculum-vacancy matching service, topic modeling, (legal) document understanding product, and conversational agents.



Data Science Intern
Lootjestrekken

Jun 2019 - Aug 2019 • 3 mos
Delft

Built a collaborative-filtering recommender system to personalize gift suggestions.

Education



University of Groningen
Groningen • 6 yrs

- **Computational Linguistics | Master**

Sep 2019 - Aug 2020 • 1 yr

Focus: machine learning, NLP, computational semantics.

- **Communication and Information Science | Bachelor**

Sep 2014 - Aug 2018 • 4 yrs

Certificates



Machine Learning Operations

Google Cloud
Feb 2023 • Mountain View



Production-Ready ML

GoDataDriven
Dec 2022 • Amsterdam



Influential Communication

Bureau Zuidema
Dec 2022 • Oosterbeek



Professional Scrum Master™

Scrum.org
Jun 2021 • Boston

Extracurricular



PyData Conference

NumFOCUS
Apr 2024 - Present • 2 yrs 2 mos
Amsterdam

Facilitating knowledge sharing within the local and international data science community.



Allow More | Kickstart AI challenge

Kickstart AI @ ING
Sep 2023 - Oct 2023 • 2 mos
Amsterdam

Kickstart AI challenge hosted @ ING: Allow More, a project to identify the underutilization of national household allowances.