

# ADRIAAN LEMMENS

NLP Researcher

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@adrnle



## ABOUT ME

I've been solving natural language processing problems for over 10 years with a solid foundation in machine learning. I've always been learning just about NLP, and I get a real kick out of looking for someone who is scientifically minded (non-)technical audience - that might just be



## SPECIALIZATIONS

Deep Learning  
NLP & Search  
Efficient Python

## SOFT SKILLS

Teaching & public speaking  
Empathy  
Attention to detail

## RECENT SKILLS

Web dev & JS  
LLM prefix tuning  
Neural graph mining

## EXPERIENCE

Oct 2020 Doctoral Researcher

KU Leuven

Probing LMs for latent linguistic representations  
Building an end-to-end text analytics web application

Jan 2021 NLP / Search Engineer

[Henchman](https://henchman.nl)

Jul 2021

Took ownership of Henchman's search and NLP backend, managing fast-changing requirements. Mentored a junior colleague.

Aug 2021 NLP / ML Engineer

[Brainjar](https://brainjar.nl)

Jan 2022

Consulted on predominantly NLP-focused projects to improve machine learning. Assignments included:

Productized Document AI  
Predicting airport capacity issues  
Information extraction on templated documents  
Search consultant  
Mentored interns and spoke at industry-focused events

Aug 2021 Computational Linguist / NLP Engineer

[NLP Town](https://nlp-town.nl)

Aug 2021

Developed models, algorithms, and services for client applications

- Automatic post-editing for machine translation
- Information extraction on healthcare documents
- Knowledge mining on user-submitted text
- Search log analysis

## EDUCATION

2016 - MSc. Artificial Intelligence KU Leuven BE  
 Speech & Language Technology. Four-month internship at KU Leuven.

2015 - MA Formal & Computational Linguistics KU Leuven BE  
 Thesis: A simple pictograph-to-text translation system for a conference.

2011 - BA Languages & Literature KU Leuven BE  
 Specialization: Linguistics

2006 - IGCSEs & International Baccalaureate NAIS, Pudong, CN

## CERTIFICATES

2019 Certified Associate in Python Programming Python Institute

## TECH SKILLS

Natural Language Processing (Machine Learning (ML))

Wide range of applications · Deep and shallow · Custom architectures · Fast data generation · Data tricks · Model evaluation · Knowledge of OS libraries · TensorFlow

Software Engineering Tooling

Backend architectures · Test/CI · Linux · K8s, Docker · Cloud analysis · OOP · ML abstraction

Databases

SQLite, PostgreSQL · Elasticsearch

Languages

Python (near-daily usage since 2015) · Javascript (since 2017)

## OPEN SOURCE

2023 [django\\_components](#) Reusable Django components EmilStrom

2021 [sopredictor](#) Make the excitement of a model lemonthe

2020 [BentoML](#) Model serving made easy. BeitoML

2020 [trefw](#) [Archived] Lemmatization of a text lemonthe

