

ADRIAAN LEMMENS

NLP Engineer

Leuven, Belgium

adriaan.jm.lemmens@gmail.com

+32 472 69 03 80

github.com/lemontheme

linkedin.com/in/adriaan-lemmens



ABOUT ME

I'm a **Natural Language Processing** (NLP) practitioner with **four years** of experience. My passion lies in enabling computers to better deal with **text**. I can offer expertise in **machine learning**, **linguistics**, **search**, and **software engineering**. If you're looking for someone who is scientifically minded, values good engineering, and who's fun to have around – that might just be me!

SPECIALIZATIONS

Deep Learning
NLP & Search
Productionizing ML (MLOps)
API design

SOFT SKILLS

Empathy
Long-term thinking
Attention to detail
Teaching

THINGS THAT I LIKE

TensorFlow 2.0 / Pytorch
Type-hinted Python + static analysis
Kubernetes, when it works
Remote work and/or quiet offices

EXPERIENCE

Jan 2021 – Jul 2021 **NLP / Search Engineer**

[Henchman](#)

Took ownership of Henchman's search and NLP backend, successfully delivering new features under fast-changing requirements. Mentored a junior colleague and became an Elasticsearch wizard.

Aug 2019 – Jan 2021 **NLP / ML Engineer**

[Brainjar](#)

Consulted on predominantly NLP-focused projects to deliver end-to-end applications powered by machine learning. Assignments included...

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

Aug 2017 – Aug 2019 **Computational Linguist / NLP Engineer**

[NLP Town](#)

Developed models, algorithms, and services for clients in various sectors. Assignments included...

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

EDUCATION

2016 – 2017 **MSc. Artificial Intelligence (MAI)**

KU Leuven

Speech & Language Technology. Four-month internship at NLP Town.

2015 – 2016	MA Formal & Computational Linguistics	KU Leuven
2011 – 2015	BA Languages & Literature	KU Leuven
2006 – 2010	IGCSEs & International Baccalaureate	NAIS, Pudong

CERTIFICATES

2019	Certified Associate in Python Programming	Python Institute
------	--	------------------

TECH SKILLS

Natural Language Processing (NLP)

- State of the art + traditional algorithms
- Intelligent document processing
- Machine translation
- Search
- Chatbots
- Dataset creation + custom annotation
- spaCy, Prodigy, flair, transformers, Gensim, AllenNLP, ...

Software Engineering

- Backend architectures
- Service design
- Testing, profiling, reasoning about complexity.
- Object-oriented thinking
- Knowledge of common NLP/ML abstractions and general design patterns.
- CI/CD pipelines.
- Best practices for operationalizing ML (MLOps).

Languages

- Expert: Python (near-daily usage since 2015)
- Basic to intermediate: Clojure, Java, Go, Prolog, C (to write Cython), and Nim

Machine Learning (ML)

- Deep Learning
 - Custom architectures
 - Transfer learning (e.g. Transformers)
- Shallow models
- Weak supervision, noisy labels, silver data
- Data versioning, model artifact packaging, model serving, data pipelines
- Pytorch, Tensorflow 2.0, scikit-learn, Ray, Dask, ...

Tooling

- Git
- Linux, Kubernetes & Docker
- GCP and AWS

Databases

- Elasticsearch (advanced)
- PostgreSQL (intermediate)

OPEN SOURCE

2021	sopredictable [WIP] Take the excitement out of model persistence.	lemontheme
2020	BentoML Model serving made easy.	BentoML
2020	trefwurd [Archived] Lemmatization rule induction with regex generation and ML	lemontheme
2019	spaCy Industrial-strength NLP	Explosion.ai