

Camiel Kerkhofs

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Summary

I am a skilled AI/ML engineer who is passionate about data science. I am a quick learner and a team worker that gets the job done. I can implement state-of-the-art AI solutions to solve your evolving business problems in a society that is increasingly driven by data.

Experience

Data Scientist & AI Engineer

Mediaan Conclusion

Aug 2020 - Present (3 years 6 months)

As a Data Science & AI consultant, I have assumed varied responsibilities across multiple organizations:

- I worked as a Lead AI Engineer on a large-scale generative AI platform
- I worked as a Machine Learning Engineer on Optimization, Computer Vision and NLP projects
- I worked as an MLOps Engineer implementing scalable ML production pipelines (AWS & Azure)
- I worked as a Data Engineer implementing ETL pipelines for multinational corporations
- I worked as a Business Intelligence Consultant delivering actionable insights to a global market leader
- I supervised data science interns working on research & development projects

Lead AI Engineer (via Mediaan Conclusion)

TERRITORY

Aug 2023 - Present (6 months)

Led the design and implementation of highly scalable ML microservices supporting a wide array of functionalities including text generation, image generation, information extraction, recommendations, text classification, image classification and instance segmentation among others.

Machine Learning Engineer (via Mediaan Conclusion)

ISS Deutschland

Jul 2023 - Aug 2023 (2 months)

Engineered a prototype optimization solution tailored for the planning department, significantly enhancing the efficiency of maintenance schedules for personnel.

Machine Learning Engineer (via Mediaan Conclusion)

Redcare Pharmacy

Aug 2022 - Jul 2023 (1 year)

Led the effort to train a state-of-the-art transformer-based instance segmentation model with sufficient accuracy and speed to allow for production deployment.

MLOps Consultant (via Mediaan Conclusion)

TecAlliance

Feb 2023 - May 2023 (4 months)

Contributed significantly to TecAlliance's internal MLOps capabilities. Offered expert consultation to the Data Science team on AWS architecture, focusing on the continuous retraining and deployment of real-time inference endpoints, thereby enhancing operational efficiency and model effectiveness.



Data Scientist (via Mediaan Conclusion)

dsm-firmenich

Aug 2020 - Jul 2022 (2 years)

I was part of the Data Science team responsible for finding growth opportunities for the global sales division. To serve this goal, I helped to build: ETL pipelines, recommender models, linear optimization models and dashboards. I was responsible for implementing a human-in-the-loop feedback mechanism to ensure continuous improvement and measure ROI.



Junior Data Scientist

Mediaan Conclusion

Jan 2020 - Aug 2020 (8 months)

MSc Thesis: Emerging Intent Discovery For Conversational Dialog Models. A domain regularization approach to detect emerging zero-shot intents in a short-text classification setting.



Machine Learning Engineer (via Mediaan Conclusion)

Quin

Jul 2019 - Dec 2019 (6 months)

I supported the Data Science team by building a custom labelling tool, automating the data collection process and training prototype NLP models (text classification & named entity recognition).



Junior Data Scientist

Mediaan Conclusion

May 2019 - Dec 2019 (8 months)

As a Data Science intern, I implemented various NLP solutions for Mediaan's customers:

- Built a real-time dashboard for topic modeling and sentiment analysis of social media data
- Built a custom labelling tool and automated data collection pipeline
- Trained NLP models for classification and named entity extraction of medical symptoms



Junior Software Developer

Ivengi.com

Jul 2017 - Jan 2019 (1 year 7 months)

As a part-time Backend Developer I helped to maintain and implement software solutions for Ivengi's customers. I was responsible for migrating applications to Elasticsearch and for productionizing the ML backend of a search engine for legal documents.



Software Development Intern

Ivengi.com

Feb 2017 - Jul 2017 (6 months)

As part of my BAsC graduation thesis I designed and implemented an AI-powered search engine for Dutch caselaw, law books and collective employment agreements. I built a fully automated ETL

pipeline to scrape Dutch legal documents from the public domain. I implemented a search engine using Elasticsearch. I developed a frontend application to showcase the solution. I used various NLP techniques to enhance search results: text classification, cosine similarity, topic modeling and named entity extraction.

Junior Software Developer

NLcom | Slim in ICT

Mar 2016 - Feb 2017 (1 year)

As a part-time Software Developer, I executed the implementation of automated functional test cases utilizing Java, JBehave, Maven, and Selenium within a CI/CD framework, ensuring robust and reliable software performance.

Software Development Intern

NLcom | Slim in ICT

Sep 2015 - Feb 2016 (6 months)

Research project focusing on automated user acceptance testing and test driven development

Education

Maastricht University

Master of Science - MSc, Artificial Intelligence

Feb 2018 - Aug 2020

Maastricht University's Artificial Intelligence master's program focuses on the development and application of computer systems that simulate human intelligence, learning, reasoning and collaboration. These systems are used to solve challenging problems in today's world.

Zuyd Hogeschool | Zuyd University of Applied Sciences

Bachelor of Applied Science - BAsC, Software Engineering

Sep 2013 - Aug 2017

The core coursework covered computer architectures and programming, data structures, algorithms, and logic and computation. An emphasis is placed on soft skills and requirements engineering.

Electives included data science, mobile app development and search algorithms.

Licenses & Certifications

 **Microsoft Certified: Azure Data Scientist Associate** - Microsoft

 **Professional Scrum Master I** - Scrum.org

Skills

Machine Learning • Data Science • Data Engineering • Artificial Intelligence • MLOps • Software Development • Business Intelligence (BI) • Solution Architecture • Computer Vision • Continuous Integration and Continuous Delivery (CI/CD)