

LAURENS DE BRUIN

AI graduate student

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SUMMARY

I am an eager to learn and creative AI-student with an affinity toward software-development and data science. I like to solve problems with efficient coding and I am convinced that AI can improve a lot of processes. I like a challenge and work best in a pro-active team where everyone motivates each other with results.

SKILLS

Hard skills:

Python, Java, React, JavaScript, SQL, C++.

Soft skills:

Result-driven, enthusiastic team player, social, flexible, creative, energetic, motivated, pro-active, eager to learn, collaborative.

EDUCATION

9/2022 - 7/2025	Master Artificial Intelligence Track Intelligent Technologies, with a focus on programming courses.	Radboud University
9/2017 - 7/2022	Bachelor Artificial Intelligence Thesis on sentiment analyse with a BERT-model	Radboud University

EXPERIENCE

9/2024 - present	Graduate Student <ul style="list-style-type: none">• Work on the automation of quality assessment of datasets for machine learning	Info Support
10/2023 - present	Software developer <ul style="list-style-type: none">• Contribute to the codebase in front-end and back-end of ASReview, the largest open-source project of the University of Utrecht.• Responsible for pre-processing, deduplication, merging and distributing the data and the visualisation of results for the FORAS scientific study. Python / GIT / React / Excel	ASReview

4/2023 – 8/2023	Project Intern	Philips
	<ul style="list-style-type: none"> • Completed a project with a team as part of masters program. • Apply cleaning, exploration, clustering and analysis on product review data. • Present insights to the client in the form of graphs. Python / Data visualisation / Data analysis / Client contact	
2/2023 – 6/2023	Student-assistant Data Science	RadboudUMC
	<ul style="list-style-type: none"> • Bridged a gap between medical experts and data science. • Used data science knowledge to optimise data management and workflow for a study of the Dutch children's formulary. Python / GIT	
7/2021 – 6/2023	Hiker	Easy Way
	<ul style="list-style-type: none"> • Transported vehicles safely and efficiently to various locations, with compliance to deadlines and quality standards. • Carried out vehicle inspections before and after transport and reported issues. Planning / Client contact	

PROJECTS

Scientific study	FORAS	GitHub link
	<ul style="list-style-type: none"> • Developed scripts to streamline the FORAS project by managing, cleaning, deduplicating, and merging data, alongside generating batches for annotation. Produced comprehensive result overviews and publication-ready plots, collaborating closely with team members to ensure project success. 	
Model finetuning & inference	Bachelor Thesis: BERT-based sentiment analysis on tweets.	GitHub link
	Exploring the sentiment analysis performance of BERT models on domain specific Twitter data when combined with an intelligent pre-processor.	
App-development	Car collection	GitHub link
	Created and published an Android app from scratch to gain experience in software development, web-scraping, and databases/SQL.	

PRESENTATIONS AND WORKSHOPS

TM Inhouse Day - University of Twente

Presented at the TM Inhouse Day of the University of Twente the benefits of ASReview software for clinical technology and technical medicine students, focusing on its use in writing systematic reviews.

Users meeting - ASReview

Provided an update on the progress and contributions to the FORAS project during the ASReview Users meeting, aimed at colleagues and users of the software.

Poster presentation - Utrecht AI labs event

Presented the outcome of the project at the Dutch Children's Formulary at "De Expo" in the Railway Museum.

CERTIFICATES

Certificates are available on my LinkedIn profile or per email request.

Java

Advanced Java - Codecademy

Completed the 'Advanced Java' course at Codecademy, learning about parallel and concurrent programming, using servlets and sockets, the Java Native Interface, and how to implement Java Database Connectivity (JDBC).

Front-end
development

Learn React - Codecademy

Completed the "Learn React" course at Codecademy, where skills were developed in JSX, JavaScript, and CSS for building and styling React components. Learned about state management with hooks and application of programming patterns for creating dynamic and maintainable web applications.