

DAVID VOS

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As a researcher who approaches problems with an engineering mindset, I possess an entrepreneurial spirit and a deep passion for delivering exceptional end-user experiences. With a strong background in AI research and engineering, I am now seeking an exciting opportunity to leverage my skills and expertise to make a meaningful impact at an innovative and impactful company.

EDUCATION

University of Amsterdam

2019 - 2022

MSc. in Artificial Intelligence

- GPA: 8.2/10 (cum laude)
- Relevant coursework: Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Reinforcement Learning.
- Thesis: Language control prefixes: Conditional prefix-tuning for efficient multilingual data-to-text generation in low-resource languages. Supervised by dr. ing. S. (Sebastian) Schelter and dr. M. (Marlies) van der Wees.

University of Edinburgh

2018

Erasmus Exchange Programme

- Completed courses in databases, robotics and introductory Anthropology.

University of Amsterdam

2016 - 2019

Bsc. in Artificial Intelligence

- GPA: 8.3/10 (cum laude)
- Relevant coursework: Linear Algebra, Probability Theory and Calculus, Machine Learning, Programming and Computer Science fundamentals.
- Thesis: Automating a weekly newsletter for news article recommendations at De Volkskrant. Supervised by dr. H. (Harrie) Oosterhuis, dr. A. (Anne) Schuth and L. (Lucas) de Haas.

University of Amsterdam

2016 - 2019

Honours Programme for BSc. Artificial Intelligence

- Research project on Art-Inspired Fashion. Investigated Siamese Networks for image retrieval, and the use of Generative Adversarial Networks for generation of images of fashion models wearing novel clothing designs.
- Research project on Automated ESG Benchmarking. Explored the use of natural language processing techniques to automate sustainability assessment of large multinationals from large text-based datasets.
- Graduation project on the analysis of the reading behaviour of subscribers of a weekly newsletter at De Volkskrant. I used the results of this analysis for my thesis project.

PUBLICATIONS

[1] David Vos, Till Döhmen, and Sebastian Schelter. “**Towards Parameter-Efficient Automation of Data Wrangling Tasks with Prefix-Tuning.**” NeurIPS 2022 First Table Representation Workshop.

- Best paper runner-up award.

PROFESSIONAL EXPERIENCE

Vaccinatieregister

2022-2023

Software Engineer

- Realized integrations with suppliers and implemented medical standards at the lead provider of software for travel vaccinations.
- Relevant experience: Full stack web and app development in a small team.

INDE Lab University of Amsterdam

2022

Web Developer

- Published a paper at the TRL workshop at NeurIPS 2022 as a result of my thesis.
- Relevant experience: Worked together with PhD students and (assistant-)professors on a paper. Took a research idea all the way from concept to publication at a major conference workshop.

DPG Media

2019 & 2022

Machine Learning Engineer Thesis Intern

- Worked as a thesis intern as part of the Recommendation Search team in the largest Dutch news publisher.
- Relevant experience: Learned from Machine Learning Engineers working on large scale recommendation solutions.

Finly

2020-2021

Software Engineer

- Developed features for software used by large insurance and telecom companies for their customer support and management.
- Relevant experience: Full stack web development and client support in a scale-up software company.

A-INSIGHTS

2019-2020

Data Engineer

- Worked on data pipelines and web crawlers for a scale-up company providing market insights.
- Relevant experience: Data engineering and data science in the context of a scale-up company where software is used to support business decisions.

University of Amsterdam

2017-2021

Teaching Assistant

- Assisted professors in teaching bachelor courses ranging from mathematics to programming and logic. I explained lecture contents in tutorial sessions and graded the work of students.

JUNO Amsterdam

2017-2019

Co-Founder Developer

- With two fellow students I founded a company that developed digital products for clients. We implemented solutions ranging from basic websites to complex algorithms.
- Relevant experience: Building products from concept to execution in an entrepreneurial setting.

Syncable Music

2016-2018

Software Engineer

- As part of a startup team, I worked on a music licensing platform for online video.
- Relevant experience: Learned from people experienced in building companies and got a lot of engineering responsibilities.

SKILLS

Programming Languages Python, Javascript, PHP, SQL, Go
Frameworks PyTorch, Django, Flask, Laravel, ReactJS
Tools (Py)Spark, Docker, Github Actions, Concourse, Cypress
Languages English (fluent), Dutch (native), German (intermediate)

Soft skills

Entrepreneurial thinker, research-minded, strong presenter, empathetic, collaborator, fast learner, effective communicator, adaptable personality.

PROFESSIONAL EXPERIENCE

Certificate of Proficiency in English

2017

- Cambridge English Certificate of Proficiency (C2 level).

The Next Web T500

2018-2022

- Dutch list of the top 500 most talented people under the age of 30.