David Vos

Admiraal de Ruijterweg 452-1, Amsterdam, 1055NG
vos.dja@gmail.com | +31640127944
www.davidvos.dev

Summary

As a data engineer with a focus on machine learning applications, 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.

Professional Experience

Visiting Researcher (2022)
INDELab University of Amsterdam
- 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.

Machine Learning Engineer Thesis Intern (2019 & 2022)
DPG Media
- 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.

Software Engineer (2022 - 2023)
Vaccinatieregister
- 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.

Software Engineer (2020 - 2021)
Finly
- 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.

Data Engineer (2019-2020)
A-INSIGHTS
- 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.

Teaching Assistant (2017 - 2021)
University of Amsterdam

- 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.

Co-Founder & Developer (2017 - 2019)
JUNO Amsterdam

- 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.

Software Engineer (2016 - 2018)
Syncable Music

- 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.

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.

Education

MSc. Artificial Intelligence (2019 - 2022)
University of Amsterdam

- 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.

Erasmus Exchange (2018)
University of Edinburgh

- Completed courses in databases, robotics and introductory Anthropology.

BSc. Artificial Intelligence (2016 - 2019)
University of Amsterdam

- 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.

Honours Programme for BSc. Artificial Intelligence (2016 - 2019)
University of Amsterdam

- 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: 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.

Skills

Hard Skills

- **Languages:** English (fluent), Dutch (native), German (intermediate).
- **Programming**
  - **Advanced:** Python, Javascript, PHP, SQL, Go.
  - **Beginner:** Java, R, C, Rust, Perl.
- **Frameworks:** PyTorch, Django, Flask, Laravel, ReactJS.
- **Tools:** Git, Docker, Cypress, Concourse, Github Actions.

Soft Skills

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

Additional Qualifications

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.