

David Vos

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Education

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

- 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.

Elective courses in Computer Science & Anthropology - University of Edinburgh (2018)

- Completed courses in databases, robotics and introductory Anthropology.

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

- 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 - University of Amsterdam (2016 - 2019)

- 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.

Professional Experience

Visiting Researcher - INDELab University of Amsterdam (2022)

- 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 - DPG Media (2019 & 2022)

- Worked as a thesis intern as part of the Recommendation & Search team in the largest Dutch news published.
- Relevant experience: Learned from Machine Learning Engineers working on large scale recommendation solutions.
- Relevant tools: Several AWS services like S3 and Sagemaker.

Software Engineer - Finly (2020 - 2021)

- Worked on features for software used by large insurance and telecom companies for their customer support and management.
- Relevant experience: Programming in PHP, Laravel and Javascript.
- Relevant tools: Git, Postgres, Concourse and Cypress.

Software Engineer - Vaccinatierregister (2022 - 2023)

- Worked on integrations with suppliers and medical standards at the lead provider of software for travel vaccinations.
- Relevant experience: Programming in GoLang, Perl and Javascript.
- Relevant tools: ReactJS, Git, Docker, Postgres, Github Actions and Cypress.

Data Engineer - A-INSIGHTS (2019-2020)

- Worked on data pipelines and web crawlers for a scale-up company providing market insights.
- Relevant experience: Programming in Python and SQL.
- Relevant tools: Git, Docker and several Microsoft Azure services like Functions and Blob.

Teaching Assistant - University of Amsterdam (2017 - 2021)

- 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 - JUNO Amsterdam (2017 - 2019)

- 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: Programming in Python and Javascript.
- Relevant tools: Flask and ReactJS.

Software Engineer - Syncable Music (2016 - 2018)

- As part of a startup team, I worked on a music licensing platform for online video.
- Relevant experience: Programming in PHP, Laravel and Javascript.

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.

Additional Information

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.

Huawei Seeds for the Future (2019)

- Summer talent programme at Huawei China in Shenzhen and Beijing. Explored Chinese culture and tradition. Followed courses on 4G and 5G networking as well as sustainability in networking.