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Address: 398k Nieuwe Osdorpergracht, Amsterdam, Netherlands

Date of Birth: 09/06/2002

PROGRAMMING SKILLS

• Languages: Python, Java, C#, SQL, Prolog, CSS, HTML
Technologies: PyTorch, Pandas, TensorFlow, NLTK, NumPy, SciPy, Scapy, Sklearn, PuLP, Unity

Projects

- Bachelor Thesis Built a Transformer and Perceiver, Optimized them using weights and biases, examined/compared their architecture and performance in Autoregressive Modelling. (Deep Learning) Grade: 8.0
- Generating Impact Stories Building a self-validating multi-agent system that generates impact stories summarizing academic research papers to templates, to attract readers and attention towards academia.
- Predicting stock price movements using genetic algorithms Built a genetic algorithm that predicts the fluctuation of stock prices based on numerous technical indicators (SMA, EMA, TBR, MACD, VOL, MOM, etc.)
- Recruitment Recommender System Built a recommendation system that helps the board in hiring decisions based on applicant profiles and job requirements.
- Sous-Chef Agent Built a conversational agent using Google's DialogFlow to develop patterns/understanding and act as a real-time sous-chef to the user.
- Video Games Development Built a 3D infinity runner game that incorporates complex game mechanics, and a 3D 3rd person shooter.

EDUCATION

MSc Data Science - University of Amsterdam

Amsterdam, Netherlands

- Sep. 2024 Sep. 2025
- Courses: Applied Machine Learning, Natural Language Processing, Statistics, Simulation & Optimization

BSc Artificial Intelligence - Vrije Universiteit Amsterdam Sep. 2020 - July 2024

Amsterdam, Netherlands

• Courses: Machine Learning, Data Science, Data Structures & Algorithms, Multi-Agent Systems, Linear Algebra

BSc Artificial Intelligence (Exchange) - University of Kent

Kent, United Kingdom

- Sep. 2022 Jan. 2023
- Courses: Computational Intelligence, Computing Law, Video Game Development

EXPERIENCE

YB Tennis Coaching (Self-Employed)

Amsterdam, Netherlands

Tennis Coach

Oct 2021 - Present

- Managing my personal tennis school. Prepared club teams for regional competition, and organized camps.
- Coached over **400 adults and children** at two of the largest tennis academies in Amsterdam (Inspire, Higgins).

Freelance

Web Developer

March 2022 - September 2022

• Modified websites and provided coding guidance to clients.

Volunteer
Coding Teacher

Tunis, Tunisia

 $Summer\ 2024$

• Gave introductory Python lessons to a small group of young teenagers.

LANGUAGES

Native: English, Arabic, French Elementary: Dutch