

Personal Information

-  Pie de Boer
-  17 December 1996
-  Maastricht
-  Dutch

Pie de Boer

Graduate - Data Science and Artificial Intelligence (BSc)

Contact

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
Enthusiastic and creative graduate from Maastricht University with a strong interest in machine learning, signal processing, and generative AI. I possess excellent interpersonal skills and a solid technical mindset, thriving in both collaborative settings and individual research projects. In my spare time, I explore computer topics such as virtual machines, emulators, and Linux, delve into audio engineering, and engage in strength training.

Competences








Programming Languages
(Advanced): Python, Java, MATLAB
(Intermediate): C++, Clojure, R, SQL, Bash

Stack
Google Cloud, Git, Unix, PyTorch, TensorFlow, Jupyter Notebook, Scikit-Learn, Homebrew and more.

Group Projects

-  3D Bin Packing
-  Golf Simulator
-  Chess Engine
-  Multi Modal Assistant (Text, Speech and Vision)

Highlighted Courses

-  Machine Learning
-  Data Analysis
-  Probability and Statistics
-  Mathematical Modeling
-  Image & Video Processing
-  Quantum Computing
-  Robotics & Embedded Systems

Education

- Data Science and Artificial Intelligence**
Maastricht University, Maastricht | 2021 - 2024
Completed (180 ECTS)

Thesis: Conditional Diffusion Models for ECG Signal Denoising (8.5/10.0)
~ Trained using Google Cloud and PyTorch
~ Outperforming traditional signal processing methods found in MATLAB.

GPA: 8.28/10.0
- Chemistry**
Utrecht University, Utrecht | 2016 - 2017
Completed first year (60 ECTS)
GPA: 7.48/10.0
- VWO - Atheneum**
Bonnefantencollege HAVO/VWO, Maastricht | 2009 - 2016
Profile: Nature & Technology and Nature & Health

Experience

- Rabobank**
Research Project | 2023 - 2024
Completed a six-month research project on a quantum approach to portfolio optimization. Utilized Python and the D-Wave API to interface with actual quantum hardware. Maintained weekly communication with a senior data scientist and closely collaborated with a researcher from TNO.
- Self-Employed**
Mathematics, Physics and Chemistry Tutor | 2019 - 2023
Tutored Dutch high school students in core science subjects from HAVO 3 to final exams, assisting up to seven students per week during peak times.

Additional Skills

-  **English (C1) - German (B2) - Dutch (Native)**
-  **MATLAB Fundamentals Certificate**