Personal Information

- Pie de Boer
- **4** 17 December 1996
- Q Dutch

Pie de Boer

Graduate - Data Science and Artificial Intelligence (BSc)

Enthusiastic and creative graduate from Maastricht University with a strong interest in machine learning, signal processing, and generative Al. 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.

Contact

- A Berlin, Germany
- **1** +31618928452
- piedeboer96@gmail.com
- in https://www.linkedin.com/in/pie-de-

https://piedeboer96.github.io

- boer-6b6663265/
- nttps://github.com/piedeboer96

Competences

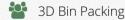
Programming Languages

(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





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**