

NEMO TER BOGT

AI- / Software Engineer

PROFILE

Name

Nemo ter Bogt

Date of Birth

29 March 2002

Location

Eindhoven, the Netherlands

E-mail

nemoterbogt@gmail.com

LinkedIn

[Nemo ter Bogt](#)

Languages

Dutch (Native)

English (fluent / C2)

German (B2 – conversational)

Hobbies

Quadcopter design

3D printing / design

Gaming

Traveling

Socializing with friends

PROFESSIONAL EXPERIENCE

March 2026 -
present

UAV-/Computer Vision engineer

Drone team Aero - Eindhoven

- Tag detection (OpenCV)
- Containerizing PX4 SITL/Gazebo/Mavlink stack (Docker)
- Maintaining ROS2 Network

Nov 2025 - Apr
2026

Full stack developer

CleverMobi - Eindhoven

- Backend development (PHP, MongoDB/MySQL)
- Frontend development (Typescript, Vue.js)
- MCP server design

Jun 2023 -
Dec 2025

Web-/automation developer - Python, Wordpress

VMNmedia - Zeist

- Webdesign
- Process automation - Python scripts
- Data scraping

Feb 2015 -
May 2023

Other

- Various Hospitality Industry Jobs: 4 years
- Snowboard/Ski instructor: 4 Months

ACADEMICS

2022 - 2025

Utrecht University

BSc Artificial Intelligence - 7.4 GPA

- Thesis: 3D path planning with reinforcement learning.
 - Design custom training environment
 - Recurrent PPO/Maskable PPO.
 - Gazebo/Ardupilot/Mavlink
- Skills:
 - Machine Learning, Calculus, Programming, Logic,
 - Research, Writing, Present

2025 - 2027

Eindhoven University of Technology

MSc Artificial Intelligence & Engineering Systems - 8.2 GPA

- Team Internship: Multi-UAV task allocation for PV plan reconnaissance using Reinforcement learning
 - Maskable/Recurrent PPO
 - AirSim
- Skills:
 - ROS2, Systems & Control, Physics, Deep learning

PROJECTS

2024 - present

Personal Quadcopter Development

- Designed, 3D-printed, assembled, and programmed multiple iterations of quadcopters.
- Build stable-flying 10-inch platform incorporating companion computer.
- Skills: Fusion360, Ardupilot/PX4, MAVLink, additive manufacturing.

SKILLS

General Machine learning

- Regression/Classification models
- (Deep) Neural Networks
- PyTorch, Optuna, Sklearn, Numpy, Pandas

Languages (Programming)

- Python, C#, Js, HTML/CSS, PHP, Prolog
- Matlab

Systems & Control

- PID, Kallmann filter
- Autoregressive/Moving average models
- LTI

Reinforcement learning

- Gymnasium (OpenAI)
- Stable Baselines
- RecPPO/PPO

UAV/Robotics Engineering

- Ardupilot/PX4/MAVLink
- ROS2
- Gazebo

Design

- Fusion360
- Additive Manufacturing

Bayesian Machine Learning

- Markov models
- Bayesian Networks
- Bayesian evidence approximation

Development

- Symfony, Django, Next.js/React
- Docker
- Git/Gitlab