




Matthijs van der Boon



ABOUT

Strong work ethic, organized, and highly conscientious. Curious and creative, not afraid of outside the box solutions. Strong background in team-based project settings and teaching.

CONTACT

 January 7, 1998, Dutch
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HARD SKILLS

Proficient: Linux, Git, Docker, Python, Deep Learning, Reinforcement Learning, PyTorch, ROS, MATLAB, Google Compute Engine, AWS

Intermediate: C#, C++, Catia, Solidworks, Blender

LANGUAGES

Dutch	Native
English	C2 (CPE)
German	B1

HOBBIES

I enjoy playing piano and have been doing so for over 15 years. My focus here is on classical music. Aside from that I enjoy weightlifting to stay fit both physically and mentally.

EDUCATION

- Nov, 2022
Sept, 2020 **Master Robotics, Systems and Control**
ETH Zurich
- GPA 5.65 of 6.00
 - Thesis: *Deep Reinforcement Learning using Curiosity-based Exploration for Package Grabbing with ANYmal on Wheels.*
Awarded with a 6 of 6.
 - Semester project: *Deep Reinforcement Learning for Catching Space Debris*
 - Course focus: Reinforcement Learning, Artificial Intelligence, Computer Vision, Game Theory
- July, 2019
Sept, 2016 **Bachelor Mechanical Engineering**
Delft University of Technology
- GPA 9.0 of 10.0 - **top 0.4%**
 - Thesis: *System Identification for an Autonomous Drone*
- Dec, 2018
Aug, 2018 **Exchange to Vancouver, Canada**
University of British Columbia
- Course focus: Entrepreneurship, Organizational Behavior, Negotiation
- June, 2016
Sept, 2010 **VWO pre-university education**
Stedelijk Gymnasium Leiden
- GPA 8.9 of 10.0
 - Final research project: **Application of Genetic Algorithms to the Traveling Salesman Problem**

SCHOLARSHIPS

- 2020 **ETH Departmental Scholarship**
- Received scholarship of **31.500 Fr.**
 - Covered study and living costs during master's degree
- 2018 **Holland Scholarship**
- Received for exchange semester to UBC
 - Grant is available for **ambitious and enterprising students**

WORK EXPERIENCE

- Mar, 2022
Oct, 2021 **Research Intern Computer Vision**
TNO, Netherlands Organisation for applied scientific research
- Work culminated in a **publication** on a GAN-based VR teleconferencing headset removal system
- July, 2020
Aug, 2019 **Lead Propulsion Engineer**
Delft Hyperloop student team
- Led department** of 3 engineers. Responsible for the propulsion subsystem.
 - Managed human, financial, and time resources combined with full-time engineering work.
- June, 2019
Feb, 2018 **Teaching Assistant**
Delft University of Technology
- TA for dynamics and thermodynamics
 - Tasks included giving lectures on example exercises and helping students one-to-one.

EXTRACURRICULAR

- May, 2021 **Business Course McKinsey Digital**
McKinsey & Company
- 3-day introduction to McKinsey
- June, 2015
Jan, 2015 **Junior TU Delft project**
Delft University of Technology
- Introductory engineering program for motivated high school students