

Jeroen Zwanepol

Graduate Robotics Engineer

Internationally-oriented Robotics engineer.
Interested in software engineering for robotics
and experienced in project management.



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Delft

EDUCATION

MSc. Robotics

Technical University Delft

09/2020 - 03/2023

8.3/10 GPA

Courses

- Thesis: Self-adaptation for Unmanned Underwater Vehicles through Knowledge Representation. The framework is implemented in ROS2 and validated in simulation using Gazebo. Grade received: 8.5

Minor Computer Science and Machine Learning

EPFL - Lausanne

09/2019 - 01/2020

5/6 GPA

Bsc Mechanical Engineering

Technical University Delft

09/2015 - 02/2020

7.5/10 GPA

Courses

- Thesis: Design of a Vehicle Capable of Combining Sensors for Robotic Reinforcement Learning

VWO-Tweetalig Onderwijs

Rijnlands Lyceum Wassenaar

08/2009 - 07/2015

Cum Laude

EXPERIENCE

Robotics engineer

Tective Robotics

10/2023 - Present

Delft, Netherlands

Software development in Python and C++ for drones and drone-deployment-systems. Communication between systems is done with ROS2, Mavlink, and APIs.

Student Assistant

TU Delft

02/2022 - 04/2022

Delft, Netherlands

Help with organization and assignments for the course "Knowledge Representation and Symbolic Reasoning".

Design Engineer

Tective Robotics

07/2020 - 08/2020

Delft, Netherlands

Design of an autonomous landing system for drones using ROS. Implementation in gazebo using the PX4 flight controller.

Leadership Internship

Redeemer International Church Delft

09/2018 - 06/2019

Delft, Netherlands

Internship geared towards personal growth in leadership within a church organization. Tasks involved coordinating small groups, giving a sermon, and equipping leaders. (3 days per week)

SKILLS

Python (4/5)

Svelte (2/5)

ROS2(4/5)

Git (4/5)

C++ (3/5)

Machine Learning(3/5)

Public Speaking

Teamwork

Project Management

EXTRACURRICULAIR

Co-author SEAMS paper (03/2023)

- Co-authored 'SUAVE: An Exemplar for Self-Adaptive Underwater Vehicles'. Helped with programming the simulation in Gazebo and robot behavior using ROS2.

Mentor MSc. Robotics (09/2021 - 11/2022)

- Mentoring of students from the MSc. Robotics track. Helping with personal development, career choices, and giving guidance.

BCG Platinion Hackathon (10/2022 - 10/2022)

- 24 hour hackathon organized by BCG Platinion on Sustainability.

Team Leader for Team TU Delft for the European Robotics Forum 2022 Hackathon (Winners)
(06/2022 - 06/2022)

- A two-week hackathon with the goal of developing an algorithm for high precision manipulation tasks. Tasks involved recruitment of team, organizing team activities, maintaining contact with involved parties, and functioning as team leader during hackathon.

Board Veritas Forum (09/2017 - 06/2018)

- PR & fundraising of a colloquium at the TU Delft.

COUNTRIES LIVED IN ABROAD

Switzerland (2019-2020)

Dubai (2003-2007)

Egypt (2000-2003)

CERTIFICATES

French Certificate A1/A2 (2020)

German Goethe Certificate (2013)

LANGUAGES

Dutch

Native or Bilingual Proficiency

English

Native or Bilingual Proficiency

INTERESTS

Football

Puzzles

Reading

Theology

Cooking

Different Cultures