

Gijs Groote

Control Engineer

 [Github](#)

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PROFILE

A persistent control engineer with a passion for robotics and software engineering. I adore making stuff, as a hobbyist I do woodworking and make bicycles. At an employer, I would like to work on process automation through software development. It is important to me who benefits from the software delivered. What also is important to me is personal development, I would like to broaden and improve my programming skills.

WORK EXPERIENCE

Reclameverspreiding Eindhoven
Newspaper Caretaker

August 2008 - September 2012
Nederwetten, Noord-Brabant

Slinders
Aid Chief

August 2012 - June 2015
Nederwetten, Noord-Brabant

Flinders
Cook

May 2015 - August 2015
Groningen, Groningen

IKEA
logistics employee

June 2017 - August 2017
Delft, South-Holland

Choconut BV
Industrial Worker

(seasonal work) December 2013 - December 2018
Zuidwolde, Drenthe

TU Delft, 3mE
Studentmentor

September 2018 - April 2020
Delft, South-Holland

ROCSYS
Junior Engineer

May 2019 - August 2019
Delft, South-Holland

Sport Complex X
Boxing Instructor

September 2021 - February 2024
Delft, South-Holland

TU Delft, 3mE, Faculty Workshop
Teaching Assistant

September 2017 - September 2024
Delft, South-Holland

Magneto B.V.
Engineer

April 2024 - Present
Delft, South-Holland

EDUCATION

Elementary School, Sint-Jozef
Cito Score: 546

2000 - 2009
Nederwetten, North-Brabant

Secondary School, Lorentz-Casimir Lyceum
NLQF/EQF niveau: 4S

September 2009 - June 2014
Eindhoven, North-Brabant

University of Applied Sciences, Hanze
Mechanical Engineering, Foundation Year

September 2014 - August 2015
Groningen, Groningen

Technical University Delft
BSc. Mechanical Engineering

September 2015 - June 2019
Delft, South-Holland

Individual Minor in Computer Science

- Object-oriented Programming
- Software Quality and Testing
- Software Engineering Methods
- Algorithms and Data Structures
- Algorithm Design
- Automata, Languages and Computability

Additional courses followed: OOP Project, Computer Organisation

Bridging Programme to MSc. Computer Science (completed)

Technical University Delft
MSc. System & Control

September 2019 - June 2023
Delft, South-Holland

Electives:

- Fault diagnosis and Fault Tolerant Control
- Adaptive Optics Design Project
- Networked and Distributed Control
- Control for High Resolution Imaging
- Machine Learning 1
- Machine Learning 2

Additional courses followed: Robot Software Practicals, System Validation
Robot Motion Planning, Model Predictive Control

MSc. Thesis:

“[A graph-based search approach for planning and learning](#)”.

COMMITEES

Virgiel, Renovator Commission
Member Renovator Commision

September 2016 - September 2017
Delft, South-Holland

Virgiel, Renovator Weekend Commission
Organiser

September 2017 - September 2018
Delft, South-Holland

Virgiel, Barbara's Boxing Academy
Chairman

September 2018 - September 2020
Delft, South-Holland

TU Delft, 3mE, Faculty Student Council
Secretary

September 2020 - September 2021
Delft, South-Holland

SKILLS

Advanced	Python
	Linux
	LaTex
	Solidworks
	Autodesk Inventor

Moderate	C++
	Rust
	JavaScript/HTML/CSS/MySQL
	JAVA
	Matlab
	MCRL2
	LabView

GENERAL

Birth, Utrecht	27 September 1996
Gender	Male
Driver Licences	AM, A1, A2, A, B, T

LANGUAGES

Nederlands	Native
English	Fluent

CHARACTER TRAITS

Eager to Learn
Enthousiastic
Social
Persistent

INTERESTS

Do-It-Yourself
Cooking
Marathons

CERTIFICATES

SolidWorks	Associate
NOC NSF	AVI
CCVX	Math B
CCVX	Physics
SSVV	VOL-VCA Savety Certificate
Orange Cross	First Aid
NBB	Boxing Instructor

REFERENCES

C. Pezzato	(Daily Thesis Supervisor)
J. Langeveld	(Manager Product development at Magneto)