

# Gijs Groote

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 Kardinaal Alfrinklaan 21  
3972 SG, Driebergen

## PROFILE

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A persistent control engineer with a passion for robotics and software engineering. I love making stuff, as a hobbyist I enjoy woodworking and make bicycles. Professionally, I aim to become part of a software-development team, combining a shared purpose, software, and teamwork to realize useful (and beautiful) projects.

## WORK EXPERIENCE

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**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, Drente*

**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 - April 2025  
*Delft, South-Holland*

**Batenburg Bellt**  
*Application Engineer*

April 2025 - Present  
*Zeist, Utrecht*

## EDUCATION

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**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](#)”.

## COMMITTEES

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**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

## CHARACTER TRAITS

Eager to Learn  
Enthousiastic  
Perfectionistic  
Persistent

## GENERAL

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

## LANGUAGES

Nederlands Native  
English Fluent

## INTERESTS

Do-It-Yourself  
Cooking  
Marathons

## REFERENCES

[C. Pezzato](#) (Daily Thesis Supervisor)  
[J. Langeveld](#)  
(Magneto's Manager Product development)