

# Gijs Stoffer Groote

## CONTROL ENGINEER

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## PROFILE

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A persistent control engineer with a passion for robotics and software engineering. I adore making stuff, as 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

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<b>Reclameverspreiding Eindhoven</b> <i>Newspaper Caretaker</i>	August 2008 - September 2012 <i>Nederwetten, Noord-Brabant</i>
<b>Slinders</b> <i>Aid Chief</i>	August 2012 - June 2015 <i>Nederwetten, Noord-Brabant</i>
<b>Flinders</b> <i>Cook</i>	May 2015 - August 2015 <i>Groningen, Groningen</i>
<b>IKEA</b> <i>logistics employee</i>	June 2017 - August 2017 <i>Delft, South-Holland</i>
<b>Choconut BV</b> <i>Industrial Worker</i>	(seasonal work) December 2013 - December 2018 <i>Zuidwolde, Drente</i>
<b>TU Delft, 3mE</b> <i>Studentmentor</i>	September 2018 - April 2020 <i>Delft, South-Holland</i>
<b>ROCSYS</b> <i>Junior Engineer</i>	May 2019 - August 2019 <i>Delft, South-Holland</i>
<b>Sport Complex X</b> <i>Boxing Instructor</i>	September 2021 - February 2024 <i>Delft, South-Holland</i>
<b>TU Delft, 3mE, Faculty Workshop</b> <i>Teaching Assistant</i>	September 2017 - Present <i>Delft, South-Holland</i>

## EDUCATION

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<b>Elementary School, Sint-Jozef</b> <i>Cito Score: 546</i>	2000 - 2009 <i>Nederwetten, North-Brabant</i>
<b>Secondary School, Lorentz-Casimir Lyceum</b> <i>NLQF/EQF niveau: 4S</i>	September 2009 - June 2014 <i>Eindhoven, North-Brabant</i>
<b>University of Applied Sciences, Hanze</b> <i>Mechanical Engineering, Foundation Year</i>	September 2014 - August 2015 <i>Groningen, Groningen</i>
<b>Technical University Delft</b> <i>BSc. Mechanical Engineering</i>	September 2015 - June 2019 <i>Delft, South-Holland</i>

*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 Commission*

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

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Advanced

Python  
Linux  
LaTex  
Solidworks

Moderate

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

# GENERAL

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

# LANGUAGES

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Nederlands Native  
English Fluent

# CHARACTER TRAITS

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Eager to Learn  
Enthousiastic  
Social  
Persistent

# INTERESTS

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Do-It-Yourself  
Cooking  
Marathons

# CERTIFICATES

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

# REFERENCES

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C. Pezzato (Daily Thesis Supervisor)  
M. Goossens  
(Coördinator Faculty Workshop)