

# Jonathan Schaaij



jonathan.schaaij@gmail.com

27. April 2001

## EDUCATION

### University of Twente — Master Robotics

September 2022 - Present

**Prospective Graduation:** Summer 2024 - Master of Science

**Subjects:** Systems Engineering, Technical Design Processes, Image Processing, Computer Vision, Robot Navigation, (Electric vehicle design, Engineering Project Management, Machine Learning)

### University of Twente — Bachelor Advanced Technology

September 2019 - June 2022

**Bachelor Thesis :** Self-sensing properties of continuous carbon fiber reinforced, 3D-printed beams

**Minor: Software-Systems** (Nov. 2021 - Feb. 2022)

**Subjects:** Mechanics, Electronics, Thermodynamics, Fundamentals of Materials, Signals & Models, Fluid Mechanics, Software Systems, Computer Systems, Intro to Mechanical Engineering, Dynamics

### Lise-Meitner Gymnasium — Abitur (Grade 1.2)

September 2011 - June 2019

**Main subjects:** Math, Physics, Chemistry

### Student Academy — Automation technology

October 2017

### Student Academy — Japanese language and culture

October 2018

## WORK EXPERIENCE

### Lente Digital — Fullstack web developer

December 2022 - Present

### Neuenhauser Maschinenbau — Prototype Engineer

July 2022 - Present

I work on AGV Safety Systems, 3D Data analysis, HMI interface for AGVs. process automation.

### Lise-Meitner-Gymnasium — Teacher (English)

July 2018

During the summer holiday in 2018 I taught English to the 5th grade.

### Private tutor — Math

2017 - 2019

As a private tutor I helped students improve their math grade from *inadequate* to *good*.

### Scouting, Coevorden — Youth group companion (voluntary)

2021 - Today

## TECHNICAL SKILLS (# 10)

Python(9) Java(8) C++(5) C(8)  
Matlab(7) Linux (7) Arduino(8)  
RaspberryPi(9) SQL(5) KiCAD(7)  
3D-Printing(9) CAD(6) FEA(5)  
MS-Office(8) Javascript(4)  
Typescript(4) Inkscape (6)

## SOFT SKILLS

Teamwork Problem-solving  
Communication Planning  
Time-management Goal-oriented  
Detail-oriented

## PROJECTS

PID controlled Ping-Pong bouncer

 [Ping Pong Bouncer](#)

November 2020

Home automation system

Upgraded 3d-Printer

Computer class for the elderly

April 2017

Management Information Game  
(MIG)

June 2018

School first aid programme

Year 2015/16

Leiden Model United Nations

November 2018

Budapest International Model  
United Nations

April 2018

European competition winner

[\(Article\)](#)

January 2019

## LANGUAGES

English (Cambridge C2)

Dutch (Native Language)

German (Bi-lingual)

## HOBBIES

Skydiving Scouting  
DIY-Projects 3D-Printing