

Robert Roos

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EDUCATION

UNIVERSITY OF TWENTE

MASTER - SYSTEMS & CONTROL

Specialisation: Robotics & Mechatronics (*Cum laude*)
Sep 2017 - July 2020

BACHELOR - ADVANCED TECHNOLOGY

Applied Engineering (*Cum laude*)
Sep 2014 - Jul 2017

COURSES

CAMBRIDGE ADVANCED ENGLISH

Cambridge English Language Assessment, B-level

SKILLS

Project Work • Problem Solving • Presenting

Programming:

Python • C++ • PLC (Beckhoff) • PHP, HTML, JS, CSS, SQL
OOP - Git - Linux - CI/CD - Sysadmin

CHARACTER

Thorough • Interested • Perceptive • Self-teaching • Communicative

Interests:

Gaming • Reading • Outdoors • Boulderling



EXPERIENCE

DEMCON | SOFTWARE ENGINEER

July 2022 - Mar 2025 | Enschede

- Create software for developed medical systems
- Embedded C++, PLC (Beckhoff), desktop applications (Python)
- Working in multi-disciplinary project teams
- Hands-on approach including testing, lab work and on-site visits

UNIVERSITY OF TWENTE (ET-BE) | SOFTWARE ENGINEER

Sep 2020 - Jun 2022 | Enschede

- Write software applications (embedded / desktop / real-time) for researchers
- Maintain and replace legacyware
- Robotics and control engineering for research set-ups

NORTHWESTERN UNIVERSITY - PTHMS | INTERNSHIP

Feb 2019 - Jun 2019 | Chicago, US

- Implementation of admittance control in haptic robot
- Software platform set-up and hardware interfacing

NO NONSENSE TECHNICAL SOLUTIONS | ENGINEER

Feb 2017 - Aug 2020 | Enschede

- Work on projects provided by companies together with other students
- Working in a multidisciplinary team
- Writing front- and back-end software as part of a product

UNIVERSITY OF TWENTE | TEACHING ASSISTANT

Sep 2015 - Nov 2019 | Enschede

- Tutor in Programming & Error Analysis in Matlab and in Advanced Engineering

INVOLVEMENT WITH STUDY-ASSOCIATION

S.A. Astatine, at the University of Twente

STUDY-TRIP | BOARD MEMBER OF THE STUDY-TRIP FOUNDATION

May 2016 - April 2018

Boardmember of a foundation which organises a study-trip together with a group of students from the study-association. As a board member I was responsible and had to manage the participants. I was also involved doing case studies with companies for financing.

IT COMMITTEE | GENERAL MEMBER

Oct 2015 - Present

Part of a committee in charge of setting up and maintaining ICT facilities. Gained experience with creating web applications, working with Linux servers and computer hardware.