

RUBEN

SCHOONBAERT

I'm Ruben Schoonbaert, 23 years old. Specializing in electronics and ICT. I like to work on projects that blend hardware engineering with software development.

From circuit design to embedded systems, from PCB layout to full-stack development, I like to bring ideas to life through technology.

CONTACT

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number: 0496 027 029
portfolio: schoonbaert.net

LANGUAGES

dutch: native
english: proficient
french: basic

EDUCATION

Secondary Education: Electromechanics

Koninklijk technisch atheneum - Brugge
2015 - 2021

Professional Bachelor Electronics-ICT

Odisee - Gent
2022 - 2025
• Specialization Electronics (IoT)

Micro-Credential 'Verification and Design Flow of Digital and Mixed-signal Chips'

KU Leuven - Leuven
2025

Micro-Credential 'Layout of Analog Chips'

KU Leuven - Leuven
2025

[current] Postgraduate 'Applied AI'

Howest - Brugge
2025 - [2026]

EXPERIENCE

TE Connectivity - Oostkamp

Student Worker

July 2021

- Worked on assembly lines and performed sample inspections to detect production defects in sensors.

Advionics NV - Oostkamp

Student: test engineer

July 2022 & July 2023

- Assisted in test engineering operations, including precision equipment calibration, functional testing of electronic systems, and identification of technical faults.

Internship & Bachelors thesis

February - April 2024

- Developed a bachelor's thesis project: Digital NFC-Based Tracking System for real-time identification and localization of electronic modules in a production environment. (See portfolio)

Student: test engineer & Repair technician

September 2024 - June 2025

- Assisted in test engineering operations.
- Functioned as a repair technician, diagnosing and repairing damaged PCBs across various production devices.
- Helped maintain and fix broken test stations on the production line.
- Developed custom hardware and software solutions for use on the production line.

Scouting group 39e FOS de Menapiers - Brugge

Youth animator

2018 – 2024

- Assisted in organizing and supervising activities & camps for youth members.

Head group director

2024 – 2026

- Oversaw weekly operations and coached ~50 volunteer leaders for a unit of 350+ members.
- Organized camps and coordinated activities, maintaining communication with members, parents, volunteers, and external partners.
- Led meetings, designed a quarterly magazine, and managed social media content.
- Redeveloped the unit's website CMS & front-end and created a custom SMTP mailing system. (See portfolio)
- Represented the unit in general meetings of the support committee and FOS Open Scouting.

SKILLS

Hardware

- Circuit design
- PCB design
 - KiCad
 - Eagle
 - Easyeda
- Soldering
 - Trough-hole
 - SMD
- Testing
- Troubleshooting

Software

- Network infrastructure
 - Linux environment
 - Windows environment
- Web development
- Web infrastructure
- IoT solutions
- Programming
 - C++, C#, Python
 - PHP, CSS, JS
 - HTML5.
- Databases
 - MySQL
 - SQL
 - MongoDB
- Git

Misc

- Solidworks
- 3D printing

For a showcase of my various projects please visit my portfolio website at:

<https://schoonbaert.net>

