

# RUBEN

## SCHOONBAERT

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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.

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### CONTACT

**email:** ruben@schoonbaert.net

**number:** 0496 027 029

**portfolio:** schoonbaert.net

### LANGUAGES

**dutch:** native

**english:** proficient

**french:** basic

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### 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>

