Robbe Elsermans

INDUSTRIAL ENGINEER - EICT

SKILLS

- **Language**
  Dutch (native) | English
- **Programming languages**
  C | C++ | C#
  Python | Java | VHDL
- **Tools & Platforms**
  Matlab | KiCAD | FreeCAD
  Git | STM32cubeIDE | Arduino
  PlatformIO
- **Operating Systems**
  Linux (Debian) | ROS2
  FreeRTOS | Windows
- **Misc**
  Drivers licence A, B

SUMMARY

My passion lies in creating innovative solutions that have a meaningful impact to both society and individuals. I thrive in every stage of the development process—from conceptual design and circuit development to PCB assembly and programming. Ensuring sustainable end-of-life practices, embodying a cradle-to-cradle mindset.

Aside the student part, I work on various "mini" projects at home such as drones, RC-cars, smart home, small handy tools, and DIY about everything that is possible.

EDUCATION

University of Antwerp
2022 - present
Antwerp, Belgium
Applied engineering EICT - Low Power IoT

AP - University of Applied Sciences
2019 - 2022
Antwerp, Belgium
Electronics and ICT - IoT

Gitok - Highschool
2013 - 2019
Antwerp, Belgium
Industrial Information and Communication Technology

EXPERIENCE

Atlas Copco - 2024

Student job as Junior Cyber Physical Systems Developer

- **Applied software engineering** knowledge from college to rework and improve an actively developed system.
- Managed the **project backlog** and tracked changes to ensure smooth development progress.
- **Collaborated** effectively **with the team** for code reviews and clarification of software usage.

ED&A - 2022

Internship/ Student job

- Conducted a **bachelor thesis** in combination with an internship.
- Developed **custom PCB** in collaboration with hardware engineers. **Software development** under the guidance of the chief software engineer.