



# THIEMO CUMPS

EMBEDDED SYSTEMS ENGINEER

## EXECUTIVE PROFILE

I am a motivated and driven embedded systems student. A strong team player but working independently creates no problem for me. By combining studies and work at the same time I have learned how to manage my time and be flexible, I am looking for an internship to broaden my technical knowledge and skills. Besides work I love to challenge myself with my hobbies, which are English Boxing and Judo. Besides sports I work as a volunteer for Kazou.

## SKILLSET

Microcontrollers (STM, PIC,)  
Arduino, Raspberry PI, ESP32, ALTERA Cyclone  
Sensor interfacing  
Serial protocols (SPI, I2C, UART, 1-wire)  
Wireless Networks (LoRaWan, wifi, cellular)  
Product development (SCRUM)  
Github  
PCB design  
Lab Equipment (oscilloscopes, soldering, etc)  
KNX, PLC  
Node Red  
C++, PHP, python, VHDL,  
Web development (HTML, CSS, Javascript)  
Linux

## SOFTSKILLS

Communication, adaptability  
problem-solving, Teamwork  
Interpersonal Skills, Time management

## CONTACT DETAILS

Thiemocumps@gmail.com  
<https://thiemoc.sinnners.be/>  
<https://www.linkedin.com/in/thiemo-cumps/>

## LANGUAGES

Dutch (fluent)  
Englisch (fluent)  
French (basic knowledge)

## TRANSPORTATION

20-hours temporary driven license  
Bike  
Public transport

## EDUCATION HISTORY

THOMAS MORE GEEL

Internet of things | Professional bachelor | 2019 - 2022

VAMK - VAASA UNIVERSITY OF APPLIED SCIENCES

Embedded system engineer | Professional bachelor | 2021-2022

SINT-LAMBERTUS INSTITUUT

Industrial electrician | 2013-2019

## EMPLOYMENT HISTORY INTERSHIPS

Elevate-IT | 02/22 - 05/22

As an inter at Elevate-IT my task was to create a custom made function for one of their clients. This function is to create monitoring dashboards for an automatic warehouse. Which gives a clear overview of all the information happening at the conveyor belt, the automatic racks and a readable logging page

## SHOP ASSISTANT

Okay hulshout | 2017 - 2022

As an employee at Okay I was responsible for filling the shelves, working behind the cash register. This includes resolving problems with returning customers like changing a product or fixing a mistake on their bill.

## VOLUNTEER WORK

Kazou RMT / Antwerpen | 2020 - now

As a volunteer for Kazou, I take care for a smooth running of the holidays. This by making the necessary preparations and meeting regularly with my fellow volunteers. After all the planning my task is to guide and entertain the children throughout their holidays.

## PROJECTS

First-AID Drones

This goal for this project was to create a drone that carries a package that contains: a first-aid kit, communication, gps. To get a faster first aid in case of an emergency for example at a sport event the drone can fly over the crowds to deliver the package so the victim gets faster first aid.

PLC-HMI Crash Course

During my exchange in Finland I had a Internet and fieldbus course which taught is the basic of a PLC and PLC programming. As a side project I had the combination of an PLC with HMI display which sparked the interest of the teacher and he asked if I could make a crash course for the HMI display so he could use this in his future classes.