

Karl HABRE

Software engineer

GOAL

Now that I finished my studies, I am open to work and get my first job.

My goal is to work as a software engineer using programming languages like Python, C, C++, JavaScript, ...
Furthermore, I have knowledge in various domains such as systems, network, cybersecurity, automation and electronics, that could be crucial in software development.

If you wish to learn more about me, don't hesitate to check my website karl.hab.re.

Born on 20/07/2002 (23 years old)

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EXPERIENCE






- 02/2024 - 08/2024** **Development of a database management software**
Lille University Hospital, France
Full stack development of a website (Python, Flask)
Self-taught learning of CSS, HTML, JavaScript and SQL
Deployment of the website on a dedicated server
- 05/2023 - 08/2023** **Development of monitoring solutions internship**
GSI Helmholtz Centre for Heavy Ion Research, Darmstadt, Germany
Developing a Python software with GUI to monitor content of a storage
Development of another Python software to monitor motor drivers
Writing of shell scripts to ease installation and use of my programs
- 06/2022 - 07/2022** **Autonomous vehicles internship**
CRISTAL research laboratory, Villeneuve d'Ascq, France
Start-up of a miniature autonomous vehicle
Presentation on Git of the project
Participation at exchanges with international researchers
- 2018 - ...** **Personal projects**
Development of my personal website: karl.hab.re
Solving algorithmics challenges (mainly on france-ioi.org)
- 2018 - ...** **Contests**
Coach of the WorldSkills 2023 French championship in mobile robotics winners
Winner of WorldSkills 2023 in mobile robotics in Hauts-de-France
Participation at the Computer Night 2021 & 2022
Laureate in the academy of Lille of the Mathematical Olympiads 2018

EDUCATION






- 2019 - 2024** **Graduate studies**
École polytechnique universitaire de Lille, University of Lille, France
- Embedded systems specialty, IoT option
 - Coordinator of 24 person for a collaboration with an art school
 - Development of a web-based monitoring program for vacuum systems in the particle accelerator of the GSI of Darmstadt
 - Conception of a robotic arm control system to imitate movements from a distant user, using an artificial intelligence and with visual feedback in a virtual reality headset
 - Winner of the inter-specialty collaborative projects:
Conception of a smart planter designed for teaching children in a fun and educational way

SKILLS






Hard skills

Python 
C/C++ 
Electronics 
DevOps 
Cybersecurity 

Soft skills

Rigor 
Autonomy 
Communication 
Motivation 
Creativity 

LANGUAGES

French 
English (C1) 
TOEIC 975/990
German (B1 – B2) 
Portuguese (novice) 
Arabic (spoken) 

HOBBIES

- Programming (Python)
- Science and Technology News
- History
- Anime
- Video-games
- Traveling
- Boulderling
- Lego