



Thibaut Bourgeais

Mechatronics engineer, 23

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Driving license

Passionate about innovation and robotics, with a keen interest in the analysis, design, and creation of advanced mechatronic systems. My professional skills and extracurricular experiences will be valuable assets for a wide range of missions. I am actively looking for a mechatronics engineer position starting in march 2025.

Education

2019 - 2024 Mechatronics Engineering Studies

French Ecole d'Ingénieur

- Automation
- Electronics
- Mechanics
- Programming
- AI

2019 French Scientific Baccalauréat (A-level equivalent)

Graduated with the highest honors
Specialization in Engineering Sciences
Digital Sciences Option

Experience

March 2024 & Ongoing Mechatronics Engineer - Verity AG

Developing the next generation of Light Show Swarm Drones

- Prototyping the payload board
- Evaluating powertrain options
- Exploring new creative effects

September 2023 - March 2024 End of studies project - Saverglass

Detecting Bottle Defects with AI

- Working proof of concept based on custom AI models

March - October 2023 Lead Designer - Vallourec

Laser scanner carrier robot design

- From drawing to creation of working prototype

September 2022 - January 2023 Electronic and Mechanical Designer Intern - Ryme Music

Developing a splittable piano keyboard based on 3D printing

2020 & Ongoing Creator of a Microbusiness - CKC

Repair service based on 3D printing
<http://ckc.imprimez.fr/>

Skills

Instrumentation	LabView, Matlab, Octave
Programming	C, C++, Python, Java
Web languages	HTML, CSS, JS
CAD	SolidWorks, CATIA, Fusion360
EDA	Altium, Eagle

Languages

English	Advanced (TOEIC - 945 score, C1 level)
French	Native
German	Beginner

Hobbies

Automotive	Video Editing
Drummer	Woodworking, PLA, PCB making