



# David GENOTELLE

Student in the INSA of Strasbourg engineering school, in the Mechatronics' field (double master IT Healthtech)

## EDUCATION

**INSA Strasbourg** | Mechatronics engineer, 5<sup>th</sup> year

**TPS Healthtech** | Dual master's degree program in health

**BAC | June 2021** | Congratulations from the Jury

Option: European section (English)

**Certification Cambridge + TOEIC** | 2024 | C1 Level

**ULA Pendulum License** | 2024

## Seeking a R&D position in medical robotics,

applying mechatronics expertise to develop assistive healthcare technologies.

## SKILLS

Conception: CREO ; Fusion360 ; Cura ; Proteus ; QElectroTec

Languages: French (native) ; **English** (level C1) ; Spanish (A2)

Programming: C++ ; Python ; Matlab ; Java ; LabView ; ROS

Office tools: Word ; Excel

## EXPERIENCES

### 2025-2026 | Master & Final-year research internship

Research project on applying imitation learning to train a robot to assist nurses in the operating room.

### 2025 | ORTHOPUS Internship (2 months)

Redesigned and optimized a tripod for a medical exoskeleton, improving stability, weigh and footprint using CAD, theoretical modeling and bench testing.

### 2025 | DIGST, Mobility in South Korea

Coursework on robotics applied to medical field: Medical Imaging, Robot Locomotion and Flexible Electronic for skin

### 2024 | Low-Tech Automated Greenhouse Project

Programming and electronics design for automation

### 2024 | INSA FabLab, Student Technician

Assisted students with safe use of manufacturing machines (3D printing, laser cutting) and helping their part production

### 2023 | Junior-Entreprise Project

Optimized a rangefinder with UWB protocol; designed and produced a suitcase (3D printing, laser cutting)

### 2022 | MOÏZ Start-up Internship (1 month)

3D CAD modeling and mechanical design

### 2020-2022 | Personal Projects

Design and fabrication of an electric guitar; multiple projects in 3D printing and programming

22 years old

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in david-genotelle

car Driving license

## STRENGTHS

- Rigor in project management** (structured methodology, traceability of design choices)
- Analytical & synthesis mindset** (ability to model, test and compare technical solutions)
- Adaptability & reactivity** (integration of new constraints during development)
- Initiative & autonomy** (driving tests, collecting feedback, proposing design upgrade)
- Cross-domain creativity** (tech transfer from other fields)