



David GENOTELLE

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

EDUCATION

INSA Strasbourg | Mechatronics engineer, 5th 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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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)