

CORENTIN CHANTEREAU

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PROFILE

Graduate student in **Creative Technology Engineering (ESILV)** with a background in **mechanical engineering** and **sustainable design**. Hands-on experience in **biobased materials**, **rapid prototyping**, **testing**, and **project leadership**, from industrial R&D at Bosch to entrepreneurship (Kickstarter).

Motivated to contribute to **industrial development & packaging innovation** with rigor, creativity, and clear communication.

EDUCATION

ESILV – MSc Creative Technology Engineering (2023–2026)

Track: Resilient Futures, Sustainable Design, Human–Machine Interaction

ECAM La Salle Lyon (2020–2023)

Focus: mechanical design, materials science, industrial processes

Dorset College Dublin – International Semester (2024)

Courses: Innovation, Product Development, International Business

EXPERIENCE PROFESIONNELLE

Engineer & Artistic Collaborator – IFT Paris (project “Atlas Butterflies”) — 2025 (4 months)

- Designed and **prototyped** innovative structures blending **design** and **engineering** for an upcoming exhibition (2026).
- Mechanical/electronic integration, materials selection, rapid design iterations.
- Coordinated with creative/technical stakeholders; documented tests and assembly procedures.

R&D Intern – ADAS (Driver Assistance Systems), BOSCH France, Juvincourt — 2023 (3 months)

- Contributed to vehicle test services for ADAS: **feasibility analysis**, **prototyping**, **risk assessment**.
- Worked within **multidisciplinary** and **international** teams; produced technical deliverables.

Shop-floor Intern – BRIAND CM, Les Herbiers — 2022 (1 month)

- Immersion in **steel construction**: supported field teams; learned the end-to-end production cycle.

PROJECTS

Essential-Oil Diffuser (vegan leather) — 2025

- Product design and **Kickstarter launch**: +30 customers, +€1,000 raised.
- **Craftsmanship, digital marketing, entrepreneurship**; schedule/budget management.

Biobased Materials Development — 2025

- **Kombucha leather & mycelium**: concept exploration for **eco-friendly housings/packaging**.
- Prototyped forms, **material-use compatibility** tests, and electronics integration.

High-Voltage Atmospheric Moisture Capture — 2025

- Concept inspired by a 2018 MIT study: **electrostatic calculations, power electronics, mechanical design**.

Acoustic Drone Detector — Air Base 105, Évreux — 2025

- **Field measurements & analysis**; prototyped an **acoustic detection** device; structured test plans.

SKILLS

Design & Prototyping: CAD (SolidWorks, CATIA), 3D printing, DFM/DFA, mock-ups and testing

Materials & Packaging: polymers, composites/biomaterials, assemblies, basic eco-design, material-use compatibility

Electronics & Digital: KiCad, sensor/actuator prototyping

Simulation & Tools: ANSYS, MATLAB/Octave, FEMM 4.2

Programming: Java, JavaScript, Python, C#, CSS, HTML

Project Management: planning, risk analysis, cross-team communication, clear reporting

LANGUAGES

French: native | English: B2+ (TOEIC 820)

INTERESTS

Student association: Communications lead — BDE ECAM Lyon (2023): Managed for +800 students

Gastronomy: Front-of-house — *La Marine* (Michelin), Carteret - 3 months (2022)

Sports: Tennis (regular practice), athletics : Departmental Champion, Long Jump and Sprint (2016)

AVAILABILITY

Available for a 6 months final-year-internship from early March to the end of August 2026