



Jean Sébastien Allet

Industrial mechanical engineer

I design parts that can be built, assembled and wired. Four years as an automation apprentice first, then engineering school. IT enthusiast, I stay on top of new AI models and put them to work in my projects.

● Available from June 2027



PORTFOLIO

jeanallet.ch ↗

Projects, drawings, videos

EMAIL

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LINKEDIN

in/jean-sébastien-allet

BASED IN

Switzerland, open to relocate

LOOKING FOR

A mechanical engineer role

EXPERIENCE

- Delft University of Technology** ● Now Aug → Dec 2026
Exchange BSc thesis · Aerospace Structures & Materials Lab · Delft, Netherlands
EU project OPTIRBLEND. Manufacturing and characterisation of compatibilized recycled PP/HDPE blends. Compounding, injection moulding, tensile tests, DSC, FT-IR, microscopy. Intermediate report result: 5.7/6.
- Valais Wallis Racing Team** Sep 2025 → Aug 2026
Gearbox designer · Mechanical team · Formula Student, Sion
I designed the stepped planetary gearbox of the 2026 4WD car: calculation (KISSsoft), CAD and drawings (Inventor), work with the manufacturer and assembly. Also set up the CAD server for the team (Autodesk Vault, 30+ users, 2500+ files), helped with chassis design and FEA, and helped to build the car.
- Alps Automation SA** Jul 2022 → Jun 2023
Automation apprentice (CFC) · Vouvry
Wired and commissioned electrical cabinets. For my final project, I designed a robotised watchmaking machine, then produced the technical file to assemble and cost it: assembly drawings, parts lists, part drawings. Graded 5.9/6.
- Alro Engineering SA** Apr → Jun 2022
Automation apprentice (CFC) · Martigny
PLC programming in TIA Portal and Step 7: production lines, chemical industry.
- Bachem SA** Jan → Mar 2022
Automation apprentice (CFC) · Vionnaz
Sensor calibration, electrical installation and repairs in ATEX zones, cGMP rules.

EDUCATION

- BSc in Systems Engineering** 2023 → Dec 2026
Design & Materials track · HES-SO Valais-Wallis · Sion
Business Experience elective: co-founded Project Chirpy, an educational toy. We turned the prototype into a full business case and won 1st place at the BeX Evening 2026.
- Federal VET Diploma (CFC) in Automation** Aug 2019 → Aug 2023
and Vocational Baccalaureate · Campus EPTM · Sion
Four-year apprenticeship as an automation technician. Won Award of Excellence in both the CFC and Vocational Baccalaureate.

SKILLS

MECHANICAL DESIGN

Autodesk Inventor · 7 years KISSsoft
Ansys Workbench Autodesk Vault
Fusion FEA
Design for manufacturing

MATERIALS & TESTING

Compounding Injection moulding
Tensile testing DSC FT-IR SEM
Design of experiments

AUTOMATION

PLC · TIA Portal, Step 7 Wiring
Commissioning Sensors
ATEX · cGMP

OTHER TOOLS

MATLAB Python Excel LaTeX
Granta Claude Code GitHub

LANGUAGES

French Native
English C1
German B1

BEYOND WORK

Triathlete and marathoner. Amateur photographer and videographer.

REFERENCES

Mathieu Soutrenon
HES-SO Valais-Wallis

Baris Çaglar
TU Delft

Vincent Grasset
Alps Automation SA

Contact details on request.