ALAN HOUDEAU

Currently pursuing a **Mechanical Mechatronics Engineering degree** at Polytech Annecy in FRANCE, I am seeking a **Summer Internship (9-12 weeks)** between **June and August**. I am looking for a challenging opportunity to apply my knowledge in mechanical design, mechatronics, and manufacturing processes.

INTERESTS

- 3D Printing
- 3D Modeling
- Innovations
- Triathlon
- Cycling (road / mountain biking)
- Skiing

CONTACT & DETAILS

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74940 Annecy-le-vieux
FRANCE

Driving License
English Level: B2

EDUCATION

2024/...

Mechanical Mechatronics Engineering Degree (work/study program)

CAD, group projects, mechanical engineering theory

USMB Polytech, Annecy (74)

2022/2024

Polytech Preparatory Class

CAD, design, Mathematics and Physics, Strength of Materials

- Designed a fishing rod reel
- Group projects

USMB Polytech, Annecy (74)

2020/2022

General Baccalauréat (High School Diploma)

Specializations: Mathematics - Engineering Science

High School : Heinrich-Nessel, Haguenau (67)

WORK EXPERIENCE

Sept 2024 / ----

Additive Manufacturing Engineer student

Design, metal 3D printing, aeronautics sector

- Conception de système mécaniqueme mécanique
- R&D focused on supporting parts for metal 3D printing
- Laser fusion machine operation
- Conventional machining

***GMP Additiv'*, Saint-Pierre en Faucigny**

Juin 2023

Additive Manufacturing Engineer student intern

FDM / Resin 3D printing, CAD, continuous improvement

- Development of a test bench
- Optimization of printing parameters
- R&D

ALSIMA, Annecy

ADDITIONAL EXPERIENCE

- 2023-2025: Polytech FabLab Manager
- Winter 2023/2024: Extra at Pierre et Vacances
- 2020: Internship at a bicycle shop

SKILLS

3D Printing : SLS Metal, FDM, SLA
CAO Software : Fusion, Solidworks, 3D experience
Topological optimisation : 3D experience, Fusion
3D Printing Slicers : Materialise Magics, Bambustudio,...
Manufacturing : Conventional turning and milling
3D Scanning : Scan exploitation - Dimensional control
Coding : Python, Arduino