

# ALEX TREMEY

Student in mechanical engineering at EPFL, my knowledge domains are structural mechanics and materials. My principal competencies are the conception of engineering products as well as the analysis of mechanical systems. I wish to put my interest in research and development at your company's service.



## CONTACT

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in Alex Tremey

## PORTFOLIO

Portfolio

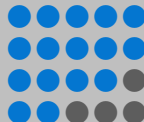
## SKILLS

### Skills domains

Structural mechanics  
Materials  
Fluid mechanics  
Project management

### Programming

Matlab  
Latex  
Simulink  
C



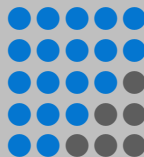
### Operating systems

MacOS  
Windows



### Mechanical conception software

Catia  
SolidWorks  
Fusion  
Ansys  
Fluent



### Languages

French : native  
English : C1 level  
German : A2 level

## HOBBIES

Surfing  
Skiing  
Chess  
Handball  
Motor sports

## EDUCATION

- 📅 09/2021 - 09/2024  
📍 EPFL, Lausanne  
Master in Mechanical Engineering  
Minor in management, technologies, and entrepreneurship
- 📅 09/2020 - 06/2021  
📍 DTU, Copenhagen  
Bachelor in Mechanical Engineering  
Academic exchange year
- 📅 09/2018 - 06/2020  
📍 EPFL, Lausanne  
Bachelor in Mechanical Engineering

## UNIVERSITY PROJECTS

- 🏆 Semester project at EPFL Racing Team: detailed analysis of the vehicle's dynamics to create a simulator allowing to tune the car's suspension parameters.
- 🏆 EPFL watchmaking competition: Construction of a tourbillon demonstrator at large scale. The demonstrator is 3D printed and fully functional.
- 🏆 Part-time job for Nestlé: Computer-assisted conception and 3D printing of a molecular structure meant to help research and development.

## EXPERIENCE

- 📅 03/2024-09-2024  
📍 Rolex, Geneva  
Master's thesis  
I will soon start my Master's thesis at Rolex, working on some elements of the watch band.
- 📅 09/2023-09-2024  
📍 Rolex, Geneva  
Intern  
I am currently doing an Internship at Rolex, working on some elements of the watch band.
- 📅 09/2022-06/2023  
📍 EPFL, Lausanne  
Member of EPFL Racing Team  
I have engaged in the EPFL Racing Team to help develop and construct an electric race car taking part in the Formula Student Competition. I was a member of the "vehicle dynamics" division, supervising the car's direction, suspension, and braking.
- 📅 02/2022-06/2023  
📍 EPFL, Lausanne  
Teaching assistant  
I have worked as a teaching assistant in the courses "Dynamical Systems" and "Continuum Mechanics" lectured at EPFL.

## PERSONAL SKILLS

Teamwork   Adaptation   Inventiveness   Comprehension   Autonomy  
Perseverance   Curiosity