



# Clarence LINDEN

## Versatile engineer

### Profile

Dynamic and methodical, I like to carry out large-scale projects. I work a lot in a team, sometimes as a leader, to solve the problems that are asked of me. Versatile, I have know-how in several fields, mechanical engineering or computer science.

### Curriculum

I want to be the most versatile engineer possible, by training my mindset of engineer and the soft and hard skills that go with it.

**2022-2024** : EPFL, Switzerland  
MSc in Mechanical Engineering  
Specialisation in design  
Computer science minor

**2021-2021** : Postech, South Korea  
Internationnal exchange  
Intercultural projects

**2018-2020** : EPFL, Switzerland  
BSc in Mechanical Engineering  
**2015-2017** : French Baccalaureate  
Science of engineering, spe. Math

### Work

**08.2024 - 03.2025** : Jaeger-LeCoultre : perpetual autonomy of the mechanical wristwatch

Conducted an in-depth study of state-of-the-art watches from Jaeger-LeCoultre and other renowned Swiss brands, resulting in a comprehensive analytical report.

Engaged in the design phase of a perpetual watch, exploring various possibilities, including Jaeger-LeCoultre's renowned Atmos clock.

Collaborated with engineers and designers on optimizing the watch's rate and enhancing power reserve efficiency.

Worked closely with seasoned constructors and learned directly from Jaeger-LeCoultre's expert watchmakers, often regarded as the watchmakers of watchmakers

Strengthened collaboration and communication skills by partnering with multidisciplinary teams in a fast-paced, detail-oriented environment.

### Experiences

**2024, 50h** : EPFL Watchmakers

Design of the oscillator  
2Hz hairspring and balance wheel design  
Making of an actual prototype  
Team project clock design

**2023, 500h** : EPFL Racing team

Open design project, fluids, thermodynamics  
FEM simulation on COMSOL  
Design, testing, manufacturing  
Data driven design  
On the field engineering, real life competitions

**2022, 350h** : Robotics competition

Head of a team of 3, build a robot from the ground up  
Personnal parts : Software and mechanical design  
Computer vision (DNN, synthetic database creation)  
Mechanical prototyping (from the ground up)  
50+ 3d printed parts  
Python + Fusion 360

**2010-now, 500h** : Workshop & manual work

10 years of experience  
Motorcycle, bicycle maintenance  
Metal work : Lathe, Milling, Soldering  
3D printing : PLA, PETG, FLEX, 100+ parts  
Wood work : furnitures, frames

**2021, 250h** : Better ergonomics wheelchair

Design of a new type of wheelchair  
Designated leader and head of the team  
Budget of 2.000.000 Won  
CAD modelization on Solidworks  
Manufacturing techniques

**2018, 200h** : Oriented solar panel

Orientation towards engineering :  
Design of a fully functional sun oriented solar panel, with 2 rotation degrees (Wood frame + 2 motors + arduino controler)  
CAD + FEM simulation on Solidworks

### Hardskills

**Layout & office**  
Latex/Excel

13 years - 200 hours

**Programming**  
Python/C/JS/Matlab

13 years - 1300 hours

**CAD**  
Solidworks/CATIA/Fusion

9 years - 1500 hours

**Graphic design**  
Illustrator/Photoshop

7 years - 150 hours

**CFD-FEM**  
COMSOL/ANSYS

8 years - 600 hours

### Softskills

Focused on team work  
Experienced team leader  
Competitive, objective minded  
Efficient and reliable  
Love my work and engineering

### Contact

2023 route du lac  
73370 Bourdeau France  
+33 7 87 83 88 95  
clarence01@orange.fr  
in Clarence LINDEN

clarencelinden.com

Build my own watch  
Selected specific components  
Fully skeletonized  
Design and manufacturing  
of my own adapter

EPFL  
2022-2024

Volley ball competitions  
Strong team spirit  
Fast paced team organisation

Postech  
2021-2022

Video editing  
Editing and promotion for the  
Mechanical engineers association

EPFL  
2018-2020

High level sports  
4 French artistic gymnastics  
championships participations  
teams of 6

High School  
2015-2017

Sports daily  
More than 20h of sport/week  
Diversification of the sports

Living in Canada  
Different way of life  
New experiences

School  
2001-2014

Living in South Africa  
Discoveries of new cultures  
All classes are in english

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SPOT prototyping coach  
Helping students  
Machining (mill, lathe)  
3D printing

Graphic designer AGEPOLY  
Graphic poster design  
Main school association  
Communication team

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Teaching assistant  
Physics, Analysis  
Mechanical engineering  
Willingness to help

Computer science minor  
Broader experiences  
Learning different languages

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Graphical design  
2 semesters of graphical design  
Group project  
2 times 6/6

Programming  
Matlab extensive use in 5 courses  
Labview and C Sudoku OCR

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Graphic design, best SHS poster  
More than 1500 students  
500 CHF won, grade of 6/6  
Presentation to 1500 students

Discovering university  
Major : Mechanical Engineering  
GPA of more than 5/6  
5.5 in Lin. Alg. - 5.25 in physics

20

Baccalaureate, highest honors  
In Engineering science  
Speciality mathematics  
GPA of 18.34/20.00  
20/20 in mathematics  
20/20 in engineering sciences

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2nd professionnall experience  
Employed at ECOLOAD  
Electronics and manufacturing  
of solar charging stations  
Mechanics in the workshop

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1st professionnall experience  
Employed at PMS  
Website developement  
IT maintenance

14

Recreative programming  
p5.js artificial intelligence  
Python game coding

First programming on Excel  
First codes on visual basic

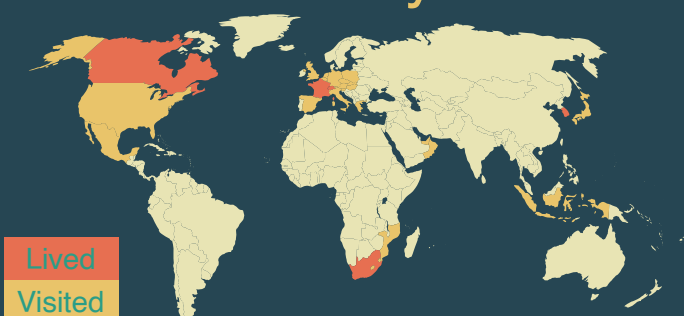
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## Internationality



## Comments

## Languages

French native  
English fluent - IELTS 7.5 - C1/C2  
Spanish scholar - B1  
Korean basic

## Hobbies

