



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.

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.

Curriculum

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, 250h : 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, 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

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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

24

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

Graphic designer AGEPOLY
Graphic poster design
Main school association
Communication team

23

Teaching assistant
Physics, Analysis
Mechanical engineering
Willingness to help

Computer science minor
Broader experiences
Learning different languages

22

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

21

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

19

18

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

16

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

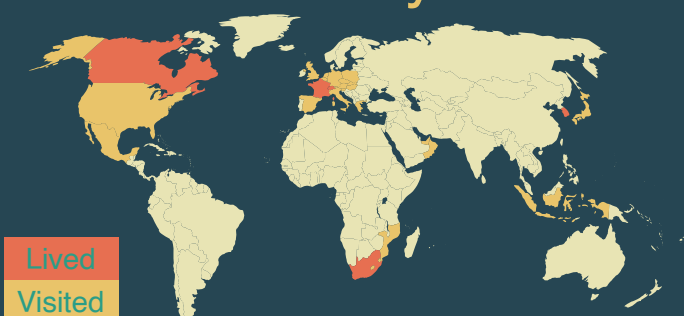
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Internationality



Comments

Languages

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

Hobbies

