



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

2022-2023 : 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

Experiences

2022, 350h : Robotics competition

High level robotics comopetition, build a robot from the ground up
Head of a team of 3 : Manage human resources, diverse team
Personnal parts : Software and mechanical design
Computer vision (deep neural network, synthetic database creation)
Mechanical prototyping (build a robot from the ground up)
50+ 3d printed parts
Python + Fusion 360

2021, 250h : Capstone design : 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

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

2018, 200h : Oriented solar panel

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

2015, 130h First school projects

Head of R&D and production
Mini business, team of 5 to manage
design of a portable wallet
R&D of the product
design of manufacturing processes

2023, 110h : Create Lab project

Kinematic design semester project
Passively walking bioinspired animal
Tendon and joint design
Data driven, PCA design

2023, 250h : EPFL Racing team

Open design project, fluids, thermodynamics
FEM simulation on COMSOL
Design, testing, manufacturing
Data driven design

2022, 130h : Bin collection design

Head of a team of 4
Budget, Time, human resources management
Gantt charts, Fonctionnal analysis, ideation ...
Design of an organic bin collection system
CAD model on CATIA

2019, 120h : Portable seeder project

Design of a portable seeder with ajustable geometry
Accomodate several types of seeds
CAD modelization on CATIA stress strain analysis,
Team work management and optimisation.

Hardskills

Layout & office
Latex/Excel

12 years - 200 hours

Programming
Python/C/JS/Matlab

12 years - 1300 hours

CAD
Solidworks/CATIA/Fusion

8 years - 1000 hours

Graphic design
Illustrator/Photoshop

6 years - 150 hours

CFD-FEM
COMSOL/ANSYS

7 years - 500 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

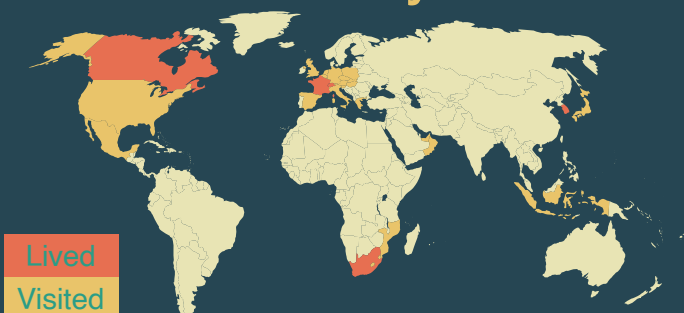
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Internationality



Comments

Languages

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

Hobbies

