CLEMENTINE GRETHEN

Student in computer sciences master image and multimedia at ENSEEIHT

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TECHNICAL SKILLS

- **Computer languages:** Python,Java, C, Matlab, Ada, Ocaml, Linux, Shell, HTML, Julia, C++
- **IT tools :** Eclipse, Vscode, Google Colab, OpenCV,HuggingFace, openMP, AndroidStudio,GLPK, Jboss, Tensorflow, keras
- **Development tools :** Git, Agile methods (Scrum), Monday,Hubspot,Notion

EDUCATION

ENSEEIHT engineering school
2021-Today
Toulouse

- Third best engineering school in France in computer science
- Master computer science: Image and Multimedia/GPA : 3.5

Preparatory class MPSI/MP*
2018-2021
Metz
Lycée Fabert

- Intensive training for engineering schools (star level)
- Maths,physics,computer science, english/GPA:4

PROFESSIONAL EXPERIENCES

Business Manager N7Consulting
02/2022-today
Toulouse

- Second best engineering Junior company in France.
- In charge of project follow-up, prospecting, costing of quotations and commercial proposal.
- Projects conducted: : Web application for a hospital, database renovation for CNES,metasearch engine.
- Skills: communication,team work,adaptability.

President of the association Human7
06/2022-Today
Toulouse

- Humanitarian association
- Organization of projects: pink race, workshops for hospitalized children, humanitarian trips,hackathon
- Partnership management .

Humanitarian internship in India
06/2022-07/2022

- 6 weeks,homestay,backpacking   Tamil Nadu
- School rehabilitation
- Science classes for school children

Assistant Project Manager
12/2022-today
Toulouse
Mentoring AIN7

- Alumni association
- Project follow-up, needs analysis, operational management of campaigns, coordination of actors.

Accounting assistant EMU
08/2022
Metz

- Management of the Efluid software
- Metz power plant

TECHNICAL PROJECTS

Texture image segmentation

- OpenCV, C++
- binary segmentation
- Quality assessment
- Meanshift and kmeans methods: opencv+ algorithm creation

Distributed Data Java Project

- Management of shared objects between clients
- Synchronization management: RMI server, stub, serialization, monitor, socket.

JAVA application for managing cash register tickets

- Object programming
- DataBase
- Scrum-Master

Facial recognition algorithms

- Matlab
- Eigenfaces for face recognition with a mask
- Bayesian classification

AI: Image Classification Project

- Deep learning: neural network
- Recognition of clothing style
- Training database
- Google Colab,Python (tensorflow,keras,pandas)
- Supervised multiclass classification
- Scrum-master

Graph project: Epidemic spreading

- SIS Model
- SIR and SAIR model
- Discover patient zero
- Julia

LANGUAGES

French	English	German
Native language	Complete professional competence C1 (IELTS 7/9)	intermediate level A2-B1