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## HOBBIES



## SUMMARY

I'm a french software developer specialized in Audio and Video compression. I followed a master's degree Image Sound Systems Engineering which trained me comprehensively in signal processing, video compression, transmission, networks and telecommunication, web design, and software development.

I'm a really curious person who always try to understand how things work and share my skills with others.

Please feel free to contact me if you want to work with me.

## EDUCATION

- 2016** **End-of-studies internship** (6 months) in R&D department of Mikros Image
- 2016** Master **ISIS** (Ingénierie des Systèmes Images et Sons), Equivalent to two-year Master's degree, specialising in Image and Sound Systems Engineering - Valenciennes
- 2014** Licence **STAMN** (sciences et Technologies Parcours Audiovisuel et médias Numériques) Equivalent to Bachelor's degree specialising in Science of information and digital media, with distinctions - Valenciennes

## PROJECTS - WORK EXPERIENCE

- 2017** **R&D** Engineer at Mikros Image  
**ongoing** **XDmat**: transcoding / rewrapping platform: Java, JS, FFmpeg  
**Nodeum reloader**: web application for reloading media from Nodeum: Javascript, Python, Elasticsearch
- 2016** **Spaces**: Media Asset Manager de Mikros Image :  
**1 year** Angular, Play Framework, CouchDB
- 2016** **Spaces Transcoder** : Java software for automating the MP4 encoding process. **Java**, JavaFX  
**1 year**
- 2015** **Twistale** : Developping a web application : interactive sound story : Node.js, **Javascript**, php, MariaDB  
**1 year**
- 2014** **Mediahub** : Developping a video editor and encoder software : **Python**, PyQt, MLT  
**2 years**
- 2015** Developping an audio editor, **Qt**, C++
- 2015** Matlab programming: writing **JPEG** compression algorithm - studies of various **image processing** filters. Studies of **DVB** transmission standarts.
- 2015** **C++** Programming : writing string class  
3D algorithim : creating a 3D game with OpenGL

## AUTRES EXPÉRIENCES

- 2018** Blog posting about computing and management subjects  
**ongoing**
- 2016** Great interest in algorithms, Open source project, Design, SysAdmin, Networks, Compression  
**ongoing**

## OTHER EXPERIENCES

### Multimedia

Matlab / Octave  
Pro tools / Audacity  
3DS max / Avid  
Adobe Creative Suite

### Languages and skills

French: Native Speaker  
English: Good working knowledge  
European Level : B1  
German: Basic

### Computer Skills

C, C++  
Python, Java, JS  
HTML, CSS  
SysAdmin, Bash, zsh  
ReactJS, Angular  
Elasticsearch  
SQL, NoSQL  
Management  
Compression  
Network

