

# Σ LHOUTELLIER Maël

## Contacts:

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France



## SOFTWARE ENGINEER

Curious about everything, and passionate by sciences and technology, I am currently pursuing my studies in a top French engineering school. I am autonomous and I like to learn through the realization of personal projects, reading papers and studies.

## WORK EXPERIENCE

- **2021-2023 - Software Development Apprenticeship (3 years)**  
\\ Design, development and deployment of softwares for the stock management and warehouse activities of the supply chain.  
**Node, VueJs, Spring, ActiveMQ, Docker, Jenkins, Postgres**  
U IRIS / (Supply-Chain service), Nantes, France
- **2020 - Atomic Simulation Internship (3 months)**  
\\ Analysis, documentation and development of Prismatic, an atomic simulation software for scanning transmission electron microscopy (STEM)  
**C++, CMake, Python, Docker, HDF5, Qt, Sphinx, Git**  
CEA / (LEMMA service), Grenoble, France
- **2019 - Automotive department Summer Job (4 weeks)**  
\\ Development of IT tools for statistic analysis and data organization of the production tests results of the China site.  
LEM Company (Quality service), Plan-les-Ouates, Switzerland

## EDUCATION AND QUALIFICATIONS

- **2020-2023 - Engineering Degree (Software speciality)**  
IMT Atlantique engineering school, Nantes
- **2018-2020 - Computing Diploma (Maths-AI speciality)**  
Université Savoie Mont Blanc, Annecy-le-Vieux

## PERSONAL PROJECTS

- Simulation** **Optimized 2D Physics engine - Debug Tools** <https://github.com/mlhoutel/Simulation>  
\\ Fully adjustable precision / data structures / integration method for benchmarking.  
[CMake, C++, SFML & ImGui]
- Tablatures** **Lightweight guitar sheet player website** <https://github.com/mlhoutel/Tablatures>  
\\ Free and open source solution for guitarists.  
[VueJs, Vuetify, alphaTab]

## TECHNICAL SKILLS

- Languages** C++, JavaScript, C#, Java, Python, PHP, Scala, Haskell
- Database** Postgres, MySQL, Oracle, Redis, MongoDB
- Frameworks** VueJs, Laravel, Spring, Qt, ImGui, WPF, Unity, GMS2
- Suites** Office (Word, Excel, PowerPoint) - Adobe (Photoshop, Premiere, After Effects, Illustrator)
- IDE** VSCode, Vim, Visual Studio, IntelliJ, Android Studio, SublimeText
- Tools** Git, Docker, Jenkins, SonarQube, Jira, GitHub Actions

## REFERENCES

- POIBLEAU Alice** (Manager of the Supply Chain department, U IRIS) : [alice.poibleau@systeme-u.fr](mailto:alice.poibleau@systeme-u.fr)
- ROUVIERE Jean-Luc** (Physic researcher, CEA of Grenoble) : [jean-luc.rouviere@cea.fr](mailto:jean-luc.rouviere@cea.fr)
- REDOINE Fatsa** (Manager of the Auto Quality department, LEM) : [fatsa.redoine@lem.com](mailto:fatsa.redoine@lem.com)

## INTERESTS

Guitar, Climbing, Running, Biking, Reading, Drawing, Animation, FOSS

## LANGUAGES

French ●●●●●  
English ●●●●●  
Italian ●●●●●

