



PERSONAL INTERACTIVE WEBSITE : [THEOSTASSEN.SPACE](http://THEOSTASSEN.SPACE)

## Core Skills

- \* SOFTWARE ENGINEERING \* PYTHON DEVELOPMENT \* ARTIFICIAL INTELLIGENCE \*
- \* MACHINE LEARNING \* FULL STACK WEB DESIGN \* DATA ANALYSIS \*
- \* VERSATILITY \* ADAPTABILITY \* COMMUNICATION \*

## Work Experience

Feb 2023 - **Research Engineer in computer science applied to astrophysics**, French and English, Laboratoire de physique des plasmas (Laboratory of Plasma Physics, LPP), attached to the CNRS (National Center for Scientific Research), Sorbonne Université, Ecole Polytechnique, Université Paris-Saclay and Observatoire de Paris, in collaboration with ESA (European Spatial Agency), Paris, France.

**Main contribution** : "ESA JUICE Mission - RPWI SCM", Software development as part of the international spatial mission led by the European Space Agency (ESA). Worked as software engineering/data referent inside a astrophysicists team, in collaboration with various scientists. Developing a data processing software, calibrating (implementing mathematically complex filters) and analyzing time-series data, to deliver robust usable science data for scientists. The software is integrated in an international data pipeline, implying future-proofness. Including Python, PyCharm, Numpy, Pandas, Sphinx, High software quality precepts, Git, Linux, Matlab, IDL, C++.



Jan 2021 - **Research Engineer**, French, CeCoTePe / Centre de Coopération Technique et Pédagogique  
Dec 2022 (Center of Technical and Pedagogical Cooperation), Haute École de la Province de Liège (University College of the Liège Province), Liège, Belgium.

**Main Contribution** : "*DynaList / SLS*", Frontend development of an innovative Dynamic Clinical Checklist web application, *Dynalist*, as part of *SLS (Surgical Logistics System)*, a regional public project that aims to connect medical programs together, developed by a consortium including research centers, walloon companies and french / walloon regional hospitals. Worked as software referent in an engineering teams in direct collaboration with a wide range of professions (Salespersons, Doctors, Nurses, Anesthetists, etc.). Developing a web application designed to help nurses and hospital members using dynamic and easy to use checklists. Essentialy Frontend with UI/UX work, with some Backend. [Including Javascript, React, Python, Django, Tensorflow, Keras, Linux](#)

## Personal Projects

Nov 2025 - **"Do you Really Need IA ?"**, *Public Website*, for demonstration and experimentation purpose,  
Now In progress / Alpha version.

The main purpose is the creation of a ironic and conceptual website, combining a subjective (and pedagogical) statement of the state of Generative AI and a *GenAi-based multi-agent reinforcement learning algorithm* as core. [Including Flask, Github Copilot, TailWindCSS, Docker, Fly.io](#)

## Education

Sep 2018- **University Master in Computer Science and Engineering, with professional focus in Intelligent Systems**, English, Faculty of Applied Sciences, Université de Liège, Liège, Belgium.  
Sep 2020  
Sep 2015- **University Bachelor in Civil Engineering, Option Informatics and Electronics**, French and Sep 2018 English, Faculty of applied science, Université de Liège, Liège, Belgium.

## Scholarship Achievements

Sep 2019- **Master's Thesis**, "Comparison of probabilistic forecasting deep learning models in the context of renewable energy production". Theoretical analysis of the deep learning field in the context of the electrical grids and renewable energy constraints, with, as object of interest, electrical time-series to be forecast probabilistically. [Including GluonTS, Python, Keras, Numpy](#)  
Sep 2020  
Sep 2018- **Master 1 Integrated Software Team Project**, "Innovative system for collecting flood-related May 2019 observations". Project commissioned by the ArGENCo Uliège Departement . Full stack development of an application dedicated to collect complex flood-related data. [Including Angular, Javascript, Typescript, SQL, HTML](#)

## Skills

Programming PYTHON, JAVA, JAVASCRIPT, C++, C, SQL, HTML, SCHEME, MATLAB, OCTAVE, IDL, LUA  
Libraries TENSORFLOW, KERAS, MXNET, GLUONTS, OPENCV, NUMPY, SCIKIT-LEARN, LLVM, SAT4J, PROLOG, PYOMO, TKINTER  
Software LATEX, SPHINX, EXCEL, GIT, JIRA  
Front-End REACT, ANGULAR, VUE.JS, TAILWINDCSS, BOOTSTRAP  
Back-End FLASK, DJANGO, MYSQL, PHP, DOCKER  
OS LINUX, WINDOWS  
Design CANVAS, PLASMIC  
Languages [FRENCH](#): NATIVE / [ENGLISH](#) : ADVANCED