

# Tanguy Hardion

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Computer Engineering student looking for an  
end-of-studies 6-month internship abroad in Data Science, starting in Feb. 2025

## ACADEMICS

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<b>Université de Technologie de Compiègne</b> <i>Specialization in Artificial Intelligence and Data Science</i>	Compiègne, France Sept. 2024 – Feb. 2025
<b>Université de Technologie de Troyes</b> <i>Engineer's degree in Computer Science and Information Systems, Data Science track</i>	Troyes, France Sept. 2022 – Aug. 2025
<b>Institut Universitaire de Technologie de Dijon</b> <i>Associate degree in Computer Science</i>	Dijon, France Sept. 2020 – June 2022

## EXPERIENCE

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<b>Junior Software Engineer</b> <i>CPage (Software company)</i> <ul style="list-style-type: none"><li>• Summer job</li><li>• Defined project requirements, established the development environment and created initial design specifications for a full-stack web application, outlining the system architecture and core functionalities</li><li>• Developed the web app using Angular, SpringBoot and PostgreSQL, featuring an interactive map that displays customer satisfaction data</li><li>• Integrated an NLP model from HuggingFace into the app using Flask for enhanced data analysis</li></ul>	July 2024 – Aug. 2024 Dijon, France
<b>Software Engineer Intern</b> <i>CPage (Software company)</i> <ul style="list-style-type: none"><li>• Mid-engineering studies internship</li><li>• Created a full-stack web application using Angular, SpringBoot and Oracle, utilizing graph theory to map software solutions and their dependencies</li></ul>	July. 2023 – Dec. 2023 Dijon, France
<b>Software Developer Intern</b> <i>Autoroutes Paris-Rhin-Rhône (Highways company)</i> <ul style="list-style-type: none"><li>• Associate degree internship</li><li>• Redesigned the graphical interface of a WPF app, enhanced its features and restructured its database</li><li>• Developed an SQLite database encryption tool</li></ul>	Apr. 2022 – June 2022 Saint-Apollinaire, France

## PROJECTS

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<b>CNN on CIFAR-100</b>   <i>TensorFlow, Keras, HuggingFace</i> <ul style="list-style-type: none"><li>• Project part of a course on machine learning and deep learning</li><li>• Training of a convolutional neural network (CNN) from scratch to classify images of the CIFAR-100 dataset</li><li>• Preprocessed and engineered the dataset by normalizing the images and converting them to TensorFlow datasets</li><li>• Experimented with different architectures and hyperparameters to improve the model's accuracy</li><li>• Evaluated the model's performance using various metrics and visualizations</li></ul>	May 2024
<b>Llama 2 fine-tuning</b>   <i>PyTorch, HuggingFace, Meta AI</i> <ul style="list-style-type: none"><li>• Project made for a proof of concept during my mid-engineering studies internship</li><li>• Fine-tuning of the 7B-parameter large language model (LLM) Llama 2</li><li>• Prepared a dataset to train the model on extracting specific text from PDF files</li><li>• Tuned the hyperparameters to make the model as accurate as possible</li><li>• Experimented with different architectures and hyperparameters to improve the model's accuracy</li><li>• Tested the model on various PDF files and evaluated its performance</li></ul>	October 2023

## TECHNICAL SKILLS

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**Languages:** Python, R, JavaScript, Java, Go, C#, C, C++, SQL, HTML/CSS

**Python Libraries:** TensorFlow, Keras, PyTorch, scikit-learn, cvxpy, SciPy, NumPy, pandas, Matplotlib, plotly

**Frameworks:** Angular, React (Next), Vue (Nuxt), Spring, WPF, Swing, Qt

**Developer Tools:** Linux, Git, Maven, VS Code, Visual Studio, IntelliJ, Material Design