

Tanguy Hardion

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

ACADEMICS

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

EXPERIENCE

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

PROJECTS

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

TECHNICAL SKILLS

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