

Jules Barth

Looking for a 6-month internship in AI starting February 2026.

julesbarth13@gmail.com | +33 7 81 62 93 02 | [Portfolio](#) | [LinkedIn](#)

I am a student in Data Science and AI, passionate about algorithms and machine learning, I transform complex concepts into innovative projects. Thanks to my projects in deep learning and data analysis, I am already demonstrating my ability to push technological boundaries. Curious and creative, I am ready to take on new challenges to contribute to innovation.

EDUCATION

ESILV - Ecole d'ingénieur supérieur Léonard de Vinci, Paris, La Défense **Class of 2026**
Master 2 Data & Artificial Intelligence, Quantum Track, C1 English Cambridge
• *Machine Learning, LLM et GenAI, CV and Deep Learning, BI Pipeline, Spark for Big Data*
• *Advanced Quantum Computing, Quantum Computing Applications, Post-quantum Cryptography*

VUM – Varna University of Managment, Bulgaria, Varna **5 months 2023**
• *Parallel and Distributed Systems, Computer Technology and Society, Data Knowledge management, Economics*

EXPERIENCE

Product Lead and Developer – Terros, HelloLeo, WebDev agency and startup studio **5 months 2025**
• Optimize language models (Claude, Gemini, OpenAI) for the HelloLeo agent.
• Co-develop the helloleo.dev website from mockup to deployment.
• Conduct end-to-end testing of the project-creation flow; refine prompts (Claude/Gemini/OpenAI), –40% tokens per prompt.
• Analyze usage (LangSmith) to prioritize the roadmap and deploy targeted improvements.

Project Lead & Web Developer – Federation of E-Sport Associations of France (SGN) **2022 – 2025**
• Technical supervision of the website, increasing user engagement by 14% in one year.
• UX/UI optimization and management of data collected during various charity events.
• *Team management, leadership, task coordination, and technical delivery tracking.*

OpenAI Beta Tester – GPT3 & DALL·E 2 **2021 – 2022**
• Evaluation and testing of AI models, notably NLP, 3D image simulation, and alignment.
• *Provide feedback and contribute to improving model performance.*

PROJETS

Auto-Improving Landing Page System (ongoing) **2024 – 2025**
• Self-optimizing landing page integrating AI for A/B optimization using a multi-armed bandit algorithm and user behavior analysis to improve UX.
• *Next.js, PostgreSQL, TypeScript, Tailwind CSS, Trigger.dev, Python*

Handwritten Digit Classification with CNN **2024**
• Web app for handwritten-digit recognition on MNIST. CNN automatically extracts features and displays real-time visualizations of layer activations and prediction probabilities.
• *Python, TensorFlow, Streamlit*

Real-time Object Detection **2024**
• Real-time object-detection app using deep-learning models (YOLOv8, YOLOv3) for face recognition and video analysis. Streamlit UI provides intuitive control over the source (webcam or video) and detection parameters, with live performance stats.
• *Python, Streamlit, YOLOv8, OpenCV, Deep Learning*

Other projects: predictive models (Airbnb prices, football match results) using RandomForest and XGBoost, **QLoRA fine-tune** (Mistral-7B-Instruct) on QA FR/EN.

COMPETENCES

- **Programming languages:** Python, C#, Node.js, SQL, R, JavaScript, C++, Next.js, Vue.js
- **Tools:** TensorFlow, scikit-learn, Pandas, NumPy, JupyterLab, VS, WebStorm, PyCharm, Git, GitLab CI, PyTorch, LangChain
- **Analytics:** Predictive modeling, regression, data cleaning, ML (neural nets, SVM), RL, Deep Learning
- **Databases:** MySQL, PostgreSQL, MongoDB, Cognos Analytics, Spark
- **Methodologies:** Agile, Scrum, CI/CD, Design Thinking (certificate), Collaboration & Project Management
- **Activities and Interests:** Rugby (14 years), 3D modeling (Blender).