

Paul Belleau

AI & Data Developer · Python, ML & Full Stack

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PROFILE

Holder of a Master's in Cybersecurity and a Bachelor's in AI, combining skills in machine learning, full stack development (Next.js, React, Python), AI and cybersecurity. Experienced through work-study in finance, environment, and defense. Available for a V.I.E assignment.

SKILLS

IA & ML

Python PyTorch TensorFlow Scikit-learn Pandas NumPy RL (PPO) YOLO LLM ONNX SQL

Dev

Next.js React TypeScript Swift/SwiftUI FastAPI Java JavaScript HTML/CSS

Infra

Docker Linux Nginx systemd Tailscale Git APIs REST CI/CD

Security

Pentest Web Burp Suite nmap Active Directory MITRE ATT&CK DLP Hardening Linux/Docker
Forensics Reverse Engineering

PERSONAL PROJECTS

Rocket League AI Bot · Deep Reinforcement Learning

Python · PyTorch · RLGym v2 · ONNX · RunPod RTX 4090

- › AI agent trained via reinforcement learning (PPO)
- › Distillation MLP 7.5M params → Transformer EARL 3.3M params
- › Training on cloud GPU (RunPod)

Le Briefing · Native iOS App + Python Backend

Swift / SwiftUI · FastAPI · Python · Docker · Nginx · Production VPS

- › Native iOS app (Swift / SwiftUI) — multi-category RSS reader
- › Python backend in production: FastAPI, Nginx reverse proxy, systemd services

Proactive Deepfake Detection · Master's Thesis

Python · TensorFlow 2 · Keras 3 · XceptionNet fine-tuned · Apple Silicon (Metal)

- › Full pipeline: frame extraction → face detection → CNN classification
- › Video-level split (anti identity leak) · unified preprocessing train / val / test

PROFESSIONAL EXPERIENCE

Front-End React Developer · Axiome Solutions · Bidart

10/2024 – 09/2025 · Work-study

- › Development of React/TypeScript features in production for a major enterprise client
- › LLM exploration · Agile team (code reviews, Git, sprints)

Cybersecurity Analyst · Amundi Asset Management · Paris

09/2023 – 04/2024 · Work-study

- › Python automation of Forcepoint alerts · DLP · AI project with Crédit Agricole Data Lab

AI Developer · Surfrider Foundation Europe · Biarritz

02/2022 – 05/2023 · Work-study

- › YOLO waste detection model: 91% accuracy · TensorFlow · deployed pipeline

EDUCATION

Master's in Cybersecurity · Guardia Cybersecurity School, Puteaux · 2023–2025

Bachelor's in Artificial Intelligence · Simplon.co, Bayonne · 2021–2023

LANGUAGES & INTERESTS

Languages: French (native), English (professional) · Practice: TryHackMe, MITRE ATT&CK · Interests: gaming, hiking, rugby