Quentin Brejoin - Applied AI Engineer

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Results-driven ML/CVML engineer with expertise in edge-based computer vision, full-stack development, AI, and cloud deployment. Global hackathon winner across 3 continents in Generative AI and blockchain. Seeking a challenging ML internship with innovative teams to drive impact.

WORK EXPERIENCE

[Lumiplan](#) – *Saint-Herblain, France*   FEBRUARY 2024 – JUNE 2024
Backend Developer - Intern
Designed and integrated tools for automatic code and documentation generation from OpenAPI and AsyncAPI specs to streamline backend workflows. Developed a custom TypeScript code generator for async communication using Redis Pub/Sub.
- Built an internal app to centralize interface contracts, reducing integration issues by 20%.
- Partnered with cross-functional teams to identify and address pain points, leading to increased team efficiency
- Utilized Java, Python, and TypeScript for managing synchronous and asynchronous services

[HiPay](#) – *Nantes, France*   JULY 2022 – DECEMBER 2022
Backend Developer - Intern
In the Finance team, I led the redesign of the export project over five months, improving the automated and recurring sharing of financial data (such as currencies and payment methods) with other teams for statistical analysis and personalized offers.
- Designed and built an app to optimize inter-departmental data exports, reducing transfer times by 30%.
- Used Node.js, Express, and TypeScript with GCP and Terraform for cloud integration

PROJECTS

[Apple Vision Pro Project - InVisionSF](#) – *San Francisco*   since SEPTEMBER 2024
Worked with SF mayor office to developed an Apple Vision Pro app to enhance user experience by offering a 3D street view-style map and immersive videos, enabling users to explore San Francisco's landmarks, events, and culture interactively using hand gestures

[Pet Disease Detection - PawCare](#) – *Paris / remote*   since FEBRUARY 2024
Deployed an AI-powered app using YOLO for real-time object detection and PyTorch for training models to analyze pet behavior. The system recognizes actions like eating or sleeping, and detects emotions such as stress or relaxation

[SUGAR network](#) – *San Francisco / remote*   since SEPTEMBER 2024
Collaboration with Paris D. School over 9 months led to the development of AI solutions aimed at optimizing supply chains for French multinational corporations, using GenAI. The project will be showcased at the SUGAR (Stanford University Global Alliance for Redisign) Expo in June at SAP Palo Alto

TECHNICAL SKILLS SUMMARY

AI: Object Detection, Image Classification, Vision Language Models, Natural Language Processing, Large Language Models
AI Tools: langchain, Ollama, PyTorch, YOLO, Jupyter notebook, Google Colab, Kaggle
OS: iOS, macOS, VisionOS, Linux, Windows
Programming Languages: C/C++, JavaScript/TypeScript, Python, Swift
Library/Framework: Django, Flask, Node.js, Nest.js, Next.js, React/React Native, Terraform, Spring Boot, Apple Vision
Tools: Github, Gitlab, JIRA, Postman, Xcode, Vscode, Cursor
Infrastructure: Kubernetes, Docker, Google Cloud
Databases: MySQL, Supabase, MongoDB, Firebase   `

AWARDS & LEADERSHIP

Hackathon - **[TechStars Startup Week-End](#)** - *Nantes, France*   2nd place
Creation of René, a real-time fact-checking AI using voice recognition to analyze TV news and political debates
Hackathon - **[Berkeley AI/Journalism](#)** - *Berkeley, CA*   Public award - top 4
Creation of TwoTruths, an AI that detects biases in web articles by providing arguments for each point of view
Hackathon - **[ETHGlobal Bangkok](#)** - Bangkok, Thailand $1500 winner
Creation of Civic.AI, an AI powered autonomous agent that gathers user sentiment and shares feedback on social media
Vice President of the Epitech Student Body - Nantes, France
Engaged actively in school life, spoke in front of audiences to present the office and future activities, and initiated projects.

EDUCATION

EPITECH, European Institute of Technologie – *Paris, France*
Master of Science in Computer Science   Expected graduation: JUNE 2026
Study Abroad: SAN FRANCISCO STATE UNIVERSITY   AUGUST 2024 - JUNE 2025
Bachelor in Software Development   AUGUST 2021 - JUNE 2024