

THIBAUT NEVEU

CTO & AI Leader with 8+ years building AI-driven products from R&D to production. Led and scaled teams up to 15 engineers across software, ML and embedded systems. Publications (ICCV, BMVC) & patents. Strong track record in applied AI innovation.



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Seeking a leadership position to drive technology strategy and ship human-centered AI products at scale.

SKILLS

CTO / Executive

- Tech strategy, product alignment & roadmap delivery
- Hiring, scaling teams & cross-functional leadership
- Stakeholders, OEM validation, governance & responsible AI
- Keywords: vision, execution, org design, partnerships, risk, ethics

Tech / Delivery

- Applied AI (Computer Vision, Deep Learning, LLMs/RAG)
- Production (MLOps, deployment/monitoring, edge inference)
- Engineering (system design, real-time, distributed)
- Keywords: PyTorch, ONNX, TensorRT, C++/Python, Linux, Docker, CI/CD, Claude code, Azure

EXPERIENCE

Visual Behavior

August 2019 to 2025

CTO, Co-founder

Lyon, France

- Led delivery of a monocular ADAS feature R&D → production, enabling **90% sensor cost reduction** under real-time embedded constraints. [1]
- Scaled engineering **2** → **15**, driving architecture, hiring, execution and ML/embedded/product alignment. [2]
- Led OEM technical validation and negotiation phases to production readiness (TRL 9).
- Mentored a CIFRE PhD candidate, resulting in ICCV/BMVC publications [3] [4], and co-authored a patent on adaptive depth estimation. [5]
- Established key DeepTech enablers: contributed to lab partnership setup, DeepTech labeling, and **winning the i-Lab award**.

Samsung Research America

March 2019 to August 2019

Machine Learning Engineer Intern

Mountain View, CA

- Built key perception and decision-making components for the SARAM kitchen robotic assistant, enabling robust object picking in real-world conditions. [6]
- Designed the vision pipeline combining RGB-D perception, instance segmentation (Mask R-CNN) and object tracking to improve grasp selection and interaction reliability.
- Trained reinforcement learning policies in simulation (MuJoCo, HER) to improve generalization and adaptability during robot-object interaction.
- Co-authored US patent on vision-guided robotic manipulation (segmentation + pose estimation for trajectory adjustment). [7]
- **Technical:** TensorFlow, Reinforcement Learning, Computer Vision, RGB-D, Python

Hoomano

June 2015 to July 2017

Software Engineer, Machine Learning (R&D) - Part time

Lyon, France

- Applied machine learning and computer vision to improve human-machine communication and interaction. [8]
- Collaboratively decreased unnecessary speech from robots by 30%

LEADERSHIP & PUBLIC IMPACT

- Designed & launched **Dialogic Books**: structured **10k+** ideas into **20+** courses; piloted with higher-ed stakeholders. [9]
- Built an educational media brand: **150** videos, **2M+** views (AI / deep learning). [10]
- Chaired AI Ethics roundtable (SophIA Summit 2023): EU AI Act, deployment governance. [11]
- Open-sourced MetaCar (RL education), adopted by universities. [12]

EDUCATION

- **University of Kent** (Canterbury, UK), MSc Advanced Computer Science (AI/ML)
- Thesis: Reinforcement Learning for Self-Driving Cars
- **Epitech** (Lyon, FR), MSc equivalent, Computer Science
- **Udacity**, Self-Driving Car Engineer Nanodegree | Deep Learning Nanodegree