Enguerrand Quilliard

Self-employed dev Freelancer
ex Head of R&D Perception Software
@ Marelli Automotive Lighting.

Details

Adress : ********** (*)
Age : 33
Tel : ********** (*)
Email : ********** (*)
Linkedin : profile
Website : www.tricotools.com

*Passionate in 3D modeling & coding, I joined Smart Me Up at the very beginning, and quickly took the **lead of 3D simulation**. This successful french start-up specialized in **AI & 3D Simulation** was acquired by Marelli Group in 2018, to create its new **R&D pole in Deep-Based AI**, that I was **chosen to lead**. In charge of a full ADAS-AD level 1 to 5 pipeline, **integrating NNs with LiDARs and Cameras, training our AIs using 3D generated artificial data**, I managed teams of experts (Python AI Research Scientists (PhDs), C++ devs (Engineers), Blender and Houdini 3D devs) across Grenoble (France), Reutlingen (Germany) and Torino (Italy), for a total of about **35 people**.*

Today I'm self-employed freelance, working on 3D rendering, NodeJS-based pipelines, Python Dev, integrating AIs to products such as llama & gemma LLMs, mediapipe NNs, creating real-time 3D rendering pipelines for the web, etc.

Best Skills

- **Management**
  - Managed teams of AI Researchers, 3D modellers, Python devs, **Directed Computer Vision AI R&D center**
  - Vision / Business Model / Budget
  - French (native) / English (fluent)
- **Programming**
  - **Python** → Expert Level
  - HTML / CSS / **Javascript**→ Expert Level
  - C# → Advanced Level (Unity3D)
  - Key skill : **Very fast (a few hours) coding from ideation to running POC**
- **3D**
  - **Blender** / **Houdini** → Expert Level
  - Unity3D → Advanced Level
  - Developed full 3D Photorealistic Simulator for **Deep-Based Artificial Data Generation**, including procedural modeling and render farm architecture

Employment History

- **Self-employed**
  - 2024 : Freelancing as **dev expert** - **AI** & Automation - **3D & VR** immersive technologies
- **Marelli Group**
  - 2021 - 2023 : **Head of R&D Perception Software**
  - 2019 - 2021 : **Head of 3D Simulation & Artificial Data**
- **Sale of the Start-Up**
  2018 : **Smart Me Up** is acquired by **Marelli Group**, to become its new pole of AI in Computer Vision, **"R&D Perception Software"**
- **Smart Me Up**
  - 2018 - 2019 : **Manager of 3D simulation (AI artificial data)**
  - 2014 - 2018 : **Python Developer & 3D artificial data generation**

Education

- **2013-2016 : ENSEEIHT, Toulouse**
  - Institute of Engineering in Electrical engineering, Automation, Electronics, Computer Science, Applied Mathematics, Hydraulics & Telecommunications
  - Master's Degree in Electronics, Signal Processing, Image Processing
- **2010-2013 : Institution Sainte Marie, Antony**
  Three-year undergraduate intensive course in Mathematics, Physics and Chemistry
- **2007-2010 : Lycée Stanislas, Paris**
  French equivalent of « A » levels in Mathematics, Physics, and Biology

Personal & Projects

- **Family**
  - ********** (*)
- **Art**
  - ********** (*)
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- **Coding**
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(*) Please use contact form on www.tricotools.com for more infos