



Victor MARTIN

Senior Machine Learning Engineer/Researcher

10 Years of Experience

Researching, Prototyping, and Productionizing ML Solutions

Email : website@vmartin.fr

EDUCATION



CentraleSupélec

PhD in Machine Learning

Rennes, France

2015 – 2018



UTT

Engineering Degree in Computer Science

Research Master in Systems Optimization

Troyes, France

2012 – 2015

2012 – 2015



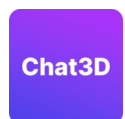
Aix-Marseille Université

Degree in Mathematics & Computer Science

Marseille, France

2009 – 2012

EXPERIENCE



Chat3D

Senior Machine Learning Engineer

Full remote from France

From Sep 2025

- Productionization of 3D model generation with Diffusion Models.
- Inpainting of texture on 3D models without retraining.
- Technologies: Python, PyTorch, Diffusion Model, Gen3D, Hugging Face, Tensorizer



Compilot

Lead Machine Learning Researcher

Full remote from France

Oct 2024 - Jul 2025

- Finetuning of LLMs/VLMs to extract information from Proof of Address documents.
- Creation of a training database of 15k annotated documents from scratch.
- Mentoring of a colleague, defining processes and selecting tools.
- Technologies: Python, Deep Learning (PyTorch), Lightning, LoRA finetuning, LLM, Redis Queue, Hugging Face, DVC, Selenium, KYC



Unistellar

Senior Machine Learning Engineer

Marseille, France

Jul 2020 - Oct 2024

- Enhanced telescope images using deep learning techniques for denoising, deblurring, super-resolution, and light pollution removal, deployed in production for all users.
- Automatic assessment of optical alignment with a Neural Network, in production at a Taiwanese factory
- Segmentation and Denoising on Smartphone for the Nocturne App on the App Store.
- Optimization and Deployment of Neural Networks in embedded systems.
- Technologies: Python (Numpy/Scipy), C++, Keras/Tensorflow, Image Processing, ConvNet, U-NET, Weights Quantization, Embedded Development



Privowny
Machine Learning Engineer

Aix-en-Provence, France
Dec 2018 - Jun 2020

- Developed ConvNet models to classify webpages and fields within websites, embedded in the product.
- Automatic detection of scripts responsible for advertising and tracking in a browser.
- Technologies: Python (Numpy, Pandas, Scikit-Learn), Javascript, Keras/Tensorflow, Language Processing



CHANEL
Computer Vision Engineer (PhD CIFRE)

Paris, France
Sep 2015 - Nov 2018

- Thesis: Computing methods for facial aging prevention and prediction.
- Estimation of various attributes from the face (age, health, ...).
- Writing scientific articles for international conferences and journals. Drafting of several patents.
- Technologies: Python (Numpy, Scikit-Learn), Statistics, Keras/Tensorflow, Clustering



Safran Aircraft Engines
Image Processing Engineer (Internship)

Paris, France
Jul 2014 - Dec 2014

- Detection and quantification of porosities in micrographic sections for automatically determining the quality of a metal.
- Technologies: C++, Image Processing, Graph Theory.

PUBLICATIONS

Age modelling method

V., Martin, R., Segquier, A., Porcheron, US10860755B2 (Dec. 2020)

Method for building a computer-implemented tool for assessment of qualitative features from face images

V., Martin, R., Segquier, A., Porcheron, US10956716B2 (Mar. 2021)

Method for simulating the realistic rendering of a makeup product

V., Martin et al. US11594071B2 (Feb. 2023)

Towards Continuous Health Diagnosis from Faces with Deep Learning

V., Martin, R., Séguier, A., Porcheron, F., Morizot, *PRIME@MICCAI* (2018)

Understanding the visual effects of cosmetic products on beauty via Deep Learning

V., Martin, R., Séguier, A., Porcheron, F., Morizot, *IFSCC* (2018)

Face aging simulation with a new wrinkle oriented active appearance model

V., Martin, R., Séguier, A., Porcheron, F., Morizot, *Multimedia Tools and Applications* (2018)

ODNet: A Convolutional Neural Network for Asteroid Occultation Detection

D., Cazeneuve, F., Marchis, G., Blaclard, P. A., Dalba, , V., Martin, J., Asencio, *The Astronomical Journal* 165.1 (Dec. 2022)

Detection of Occultation Events by Machine Learning for the Unistellar Network

D., Cazeneuve, F., Marchis, G., Blaclard, J., Asencio, , V., Martin, 2021 (Dec. 2021)

HOBBIES

Piano, Swimming (swimming pool and open water), Hiking