

Mattéo Éléouet

LOOKING FOR PhD POSITION

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EDUCATION

Data Science Tech Institute

Academic Results: 17.53 / 20.00

MASTER OF SCIENCE IN APPLIED MATHEMATICS — MACHINE LEARNING AND DATA SCIENCE

- COMPLETED AN ENGLISH-TAUGHT CURRICULUM FOCUSING ON ADVANCED TOPICS IN MACHINE LEARNING AND DATA SCIENCE INCLUDING STATISTICAL & PROBABILITY THEORY, LINEAR ALGEBRA, AND CONVEX OPTIMIZATION.
- GAINED EXPERTISE IN A VARIETY OF DOMAINS SUCH AS NATURAL LANGUAGE PROCESSING, COMPUTER VISION, PYTHON PROGRAMMING, R, TEXT MINING, AND DATA ANALYSIS

Sophia Antipolis, France - 2022 – 2024

Epitech

Academic Results: 15.5 / 20.00

BACHELOR'S DEGREE IN COMPUTER SCIENCE

- GRADUATED AS MAJOR DE PROMOTION 1/16
- FOCUSED ON SOFTWARE ENGINEERING (C, C++, JAVA, JS FRAMEWORKS), DEVOPS (DOCKER, KUBERNETES), AND LOW-LEVEL COMPUTING (OPERATING SYSTEMS, COMPUTER ARCHITECTURE).

Nice, France - 2021 – 2022

La Croix Rouge & ISEN

Academic Results: 16.5.5 / 20.00

BTS COMPUTER SCIENCE AND NETWORKING OPTION PRE-ENGINEERING

- 18.28 AVERAGE MATHEMATICS - 17.2 AVERAGE ENGLISH - 19.5/20 END OF THE YEAR PROJECT IN COMPUTER SCIENCE.

Brest, France - 2019 – 2021

EXPERIENCE

Thales Alenia Space

Cannes, France

COMPUTER VISION RESEARCH ENGINEER APPRENTICE

Sep. 2022 - Sep. 2024

- Image quality lab, Image restoration, Simulation optimisation.
- Attribution Analysis of image restoration of ConvNets and Visual Transformers. Conducted comprehensive research on image restoration techniques in deep learning with a focus on understanding and interpreting.
- Create special metrics and loss function for image quality
- Designed and implemented custom architectures with PyTorch, including GANs, Swin Transformers, Diffusion models and ConvNets. Employed advanced techniques such as knowledge distillation to optimize network efficiency and performance.
- Write scientific internal report

AzurIA at IRT Saint Exupéry

Sophia Antipolis, France

MLOPS APPRENTICE

Dec. 2021 - Sep. 2022

- Conduct day-to-day project coordination, planning, and implementation (GitOps, doc, test, release, issues, Docker)
- Create deep learning model with PyTorch demonstrations for embedded system
- Create custom CUDA kernel with teams.

LANGUAGES

English : C1 certified — 180/180 Cambridge LinguaSkill

French : Native Speaker

CERTIFICATIONS

Stanford : Machine Learning with Matlab, Andrew Ng

Imperial College London : Mathematics for ML

Inria : Machine Learning with Scikit-Learn

PUBLICATIONS

PERSONAL PROJECT

lol

Introduction to Deep Learning (in french)

Github link

SELF-PUBLISHED eBook

Expected May 2024

- Authored a comprehensive guide exploring mathematics and underlying theories that form the bedrock of Deep Learning, ranging from perceptrons to transformer architectures, aimed at demystifying complex concepts for a broad audience.

- Designed a comprehensive curriculum including environment setup, mathematical foundations, practical coding projects, and cutting-edge techniques in model interpretability.
- An educational toolkit that brings together a wide range of resources, including extensive downloadable content, detailed code snippets, comprehensive datasets and a case study repository, to enhance open learning.
- Addressed a wide audience range, ensuring content relatability from novices to those with intermediate knowledge seeking to delve deeper into the subject matter

SKILLS _____

Back-End	Aaaaa, Aaaaaa, Aaaa, Aaaaaa, Aaaaaaa, Aaaa, A/A++, Aaaa, Aaaaaaa
Front-End	Aaaaa, Aaaaaa, Aaaa, Aaaaaa, Aaaaaaa, Aaaa, A/A++, Aaaa, Aaaaaaa
DevOps	LaTeX, Aaaaaa, Aaaa, Aaaaaa, Aaaaaaa, Aaaa, A/A++, Aaaa, Aaaaaaa, Aaaaaaa

REFERENCES _____