



Farid Abdalla

Research Assistant in Data Science

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- Swiss

Skills

Machine Learning

Scikit-Learn,
Pandas, Numpy,
SQL, Ray Tune,
Optuna

Reinforcement Learning

Ray Rllib, Stable
Baselines, Unity
ML-Agents

Languages & Frameworks

Python, C# (WPF, Unity), C++ (Qt), Java
(JEE), Android, Web (Django, Flask),
LaTeX

Deep Learning

Tensorflow, Keras,
PyTorch, Hadoop,
Spark

Software Engineering

Git, Docker,
Kubernetes, AWS,
Design Patterns

Languages

French
Native

Japanese
JLPT N2

English
C1

German
A2

Hobbies



Fitness



Anime & Manga



Escape Games



Board Games



Video Games



AI Projects

I am a Research Assistant in Data Science offering 2+ years of experience executing successful machine learning projects from start to finish. With expertise in Python and deep learning frameworks such as TensorFlow and PyTorch, as well as Reinforcement Learning with RLib, I have a strong foundation in the latest technologies.

Work Experience

HE-Arc

(09/2020 – Present)

Research Assistant in Data Science

Neuchâtel, Switzerland

- Designed, built, evaluated and deployed multiple machine learning projects with different technologies, including deep learning, and reinforcement learning.
- Used Python, Scikit-learn, PyTorch, TensorFlow, and Ray RLib to develop and implement machine learning algorithms and models.
- Worked with various data sources, such as time series, images, videos and natural language data, to create effective data-driven solutions.
- Cleaned and preprocessed data to ensure accuracy, consistency, and developed robust data pipelines to streamline data processing and analysis.
- Collaborated with cross-functional teams to develop AI solutions and integrate machine learning models into real-world applications.

Education

Osaka Metropolitan University

(04/2022 – 09/2022)

Master Thesis

Osaka, Japan

Grade: 6.0 / 6.0

Thesis: Developed a model to generate videos conditioned on the first and last frame. The model is trained on a custom anime dataset and create plausible movements close to the ground truth.

HES-SO

(09/2019 – 09/2020)

Master of Science – Data Science

Lausanne, Switzerland

GPA: 5.5 / 6.0

HE-Arc

(09/2016 – 09/2019)

Bachelor of Science – Software Engineering

Neuchâtel, Switzerland

GPA: 5.6 / 6.0

Award: Best GPA

Certifications

Deep Reinforcement Learning Course

Huggingface

Grade: Excellent

Winter School in Data Analytics and Machine Learning

University of Fribourg, Switzerland

GPA: 5.6 / 6.0

Soft Skills

Curiosity

Adaptability

Problem solving

Teamworker