Maya Costantini

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EXPERIENCE

Microsoft, Software Engineer September 2024 - Present

Microsoft Teams Core Engineering.

Red Hat, Software Engineer October 2022 - August 2024

Emerging Technologies Security team. Responsible for securing the Ansible content Software Supply Chain with project Sigstore by implementing digital signatures and content verification in Ansible upstream projects and products (Red Hat Ansible Automation Hub and Automation Platform). Participated in company-wide efforts to productize Sigstore, contributed to the upstream sigstore-python client. Promoted Sigstore as a speaker at PyCon France, DevConf.CZ and Pass the SALT.

Red Hat, Associate Software Engineer October 2021 - September 2022

Red Hat's Office of the CTO. Development of Project Thoth, an Open Source project using Artificial Intelligence to recommend software stacks for Python applications. Contributed to the implementation of microservices and APIs for Python dependency resolution. Presentation of the project at different conferences (PyCon US, Red Hat Summit...).

Amadeus, Software Engineering Intern March 2021 - August 2021

End-of-studies internship, Machine Learning and Software Engineering. Master Thesis research project *Machine Learning for Bug Detection and Risk Assessment*, with the goal to detect C++ code samples susceptible to introduce bugs in a code base.

Natixis, Machine Learning Intern June 2020 - August 2020

Implementation of a Deep Learning algorithm based on Transfer Learning applied to the ResNet-50 convolutional neural network for financial document templates recognition and classification.

TECHNICAL SKILLS

C#/.NET, Python, Data Structures and Algorithms, PostgreSQL, Bash, Linux, OpenShift/Kubernetes, Podman/Docker, containerized applications, Ansible, Git, GitHub Actions, ArgoCD

EDUCATION

Grenoble Alpes University / Grenoble INP - Ensimag September 2019 - August 2021
Master of Science in Industrial and Applied Mathematics *Grenoble, France*
Master Thesis obtained with High Honors.
Courses: Distributed Systems, Advanced Learning Models, Kernel Methods, Calculus for Finance, Development Tools and Methods (C++), High Performance Computing, GPU Computing, Statistics

Paris Cité University September 2016 - May 2019
Bachelor's Degree, Mathematics *Paris, France*
Part of the Excellence Program of the Mathematics Faculty for top ranked students.

TALKS AND ARTICLES

Some of my (co-authored) talks and articles. See corresponding section on my personal website.