

# Malo Le Goff

[malolegoff@gmail.com](mailto:malolegoff@gmail.com) // <https://www.linkedin.com/in/malo-le-goff>  
<https://github.com/Malo10LeGoff> // <https://malo-ws.com>  
[+33629052610](tel:+33629052610)

Education	<b>IMT Atlantique, France</b> <i>General Engineering Degree, Major in Computer Science</i> <ul style="list-style-type: none"><li>- GPA : 3.6</li><li>- Courses : Linear Programming, Non-linear Optimization, Algorithms and Complexity, ...</li></ul>	Sep 2018 - Sep 2022
	<b>Preparatory class at Rabelais, France</b> <i>General Education in Maths, Physics, Computer Science and Chemistry</i>	Sep 2015 - Aug 2018

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Work	<b>Orange</b> <i>Intern Machine Learning Engineer</i> <ul style="list-style-type: none"><li>- Designed a distributed software system using Docker and Kubernetes based on the micro-service architecture</li><li>- Analyzed DNS logs coming from Orange's infrastructure and APIs with the ELK stack</li><li>- Developed predictive models to identify abnormal or suspicious DNS behaviors</li><li>- Implemented security measures and monitoring on Google Cloud projects using Prisma Cloud and Google Command Center</li></ul>	Mar 2021 - Aug 2021
	<b>TF1</b> <i>Intern Data Engineer</i> <ul style="list-style-type: none"><li>- Increased the number of data sources ingested from 18 to over 40 by using Airflow, Apache Beam, Dataflow and Spark to build ETL pipelines</li><li>- Built reports and dashboards using data visualization tools like Looker and Google Data Studio</li><li>- Wrangled data for machine learning and analytics pipelines using Big Query and DBT</li><li>- Managed and maintained on-premises relational databases running on PostgreSQL</li></ul>	Sep 2020 - Mar 2021

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Projects	<b>European Spatial Agency</b> <i>Machine Learning Engineer</i> Detection of wildfires from satellite images using machine learning models : <ul style="list-style-type: none"><li>- Built the dataset from scratch based on Sentinel images</li><li>- Trained and tested the models using GCP's service for AI : AI Platform</li><li>- Chose the hardware needed to execute the chosen model within a satellite supposed to take off in 2022</li></ul>	May 2021 - Present
	<b>Open Source Software</b> <i>Software Engineer</i> <ul style="list-style-type: none"><li>- Built an Operating System base with a monolithic kernel in Rust and Assembly</li><li>- Virtualized the Operating System with the QEMU emulator.</li><li>- Automated the building pipeline using Make</li></ul>	Jan 2021 - Mar 2021

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Skills	<b>Languages</b> : Python, Java, C++, Go, SQL, Rust, Bash, HTML/CSS, JavaScript, R <b>Technologies</b> : Git, Docker, Kubernetes, Terraform, GCP, AWS, CI/CD, Wireshark, Datadog <b>Methods</b> : Test-driven development, code reviews, agile management	
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