Malo Le Goff

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Education

IMT Atlantique, France *Sep 2018 - Sep 2022*
General Engineering Degree, Major in Computer Science
- GPA : 3.6
- Courses : Networking, Cloud Computing, Algorithms and Complexity, Software Design

Preparatory class at Rabelais, France *Sep 2015 - Aug 2018*
General Education in Maths, Physics, Computer Science and Chemistry

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Work

Orange *Mar 2021 - Aug 2021*
Intern *Machine Learning Engineer*
- Designed a distributed software system using Docker and Kubernetes based on the micro-service architecture
- Analyzed DNS logs coming from Orange's infrastructure and APIs with the ELK stack
- Developed predictive models to identify abnormal or suspicious DNS behaviors
- Implemented security measures and monitoring on Google Cloud projects using Prisma Cloud and Google Command Center

TF1 *Sep 2020 - Mar 2021*
Intern *Data Engineer*
- Increased the number of data sources ingested from 18 to over 40 by using Airflow, Apache Beam, Dataflow and Spark to build ETL pipelines
- Built reports and dashboards using data visualization tools like Looker and Google Data Studio
- Wrangled data for machine learning and analytics pipelines using Big Query and DBT
- Used Datadog to implement a cloud and infrastructure monitoring of TF1's data platform

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Projects

European Spatial Agency *May 2021 - Present*
Machine Learning Engineer
Detected wildfires from satellite images using machine learning models :
- Built the dataset from scratch based on Sentinel images
- Trained and tested the models using GCP's service for AI : AI Platform
- Chose the hardware needed to execute this model within a satellite supposed to take off in 2022

Open Source Software Jan *2021 – Mar 2021*
Software Engineer
Built an Operating System base with a monolithic kernel in Rust and Assembly virtualized with the QEMU emulator. The building pipeline is automated using Make

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Skills

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