ALEXANDRE KHALFALLAH

ENGINEER LOOKING FOR A CYBERSECURITY OPPORTUNITY, PARTICULARLY IN SPACE SYSTEMS CYBERSECURITY

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PROFIL

- Dynamic and motivated
- Sensibility to team spirit
- strength of proposition and creativity

PROGRAMMING

- Python
- C
- Javascript
- Java

LANGUAGES

- English : fluent (TOEIC 930)
- Spanish : Professional (niveau B1)
- German: A2
- French : Native

EXPERIENCES

Engineer cybersecurity Architect Railway

SBB (Swiss railway company)
(September 2023 - February 2024)

- 6 months internship
- Analyse of train infrastructure
- CSIRT process
- Train network pentesting using gateway

Research assistant space cybersecurity

Johns Hopkins University
(October 2022 - May 2023)

- AIAA 2024 publication "Emergency Response Team Framework for Space Systems (ERTFSS)"
- Writing articles inter-satellite communication using neutrons
- Work on creation of framework for Emergency Response Team
- Work on a project of ground station security

Internship cybersecurity

INOVIE Group
(May 2022 - August 2022)

- Network analysis of a medical laboratory with EBIOSRM
- Assistance with the implementation of the security policy
- Implementation of logs and internal monitoring tools

Research engineer in Artificial Intelligence

CNRS
(September 2020 - February 2021)

- Realization of 3D image generation AI (GAN) -Application on electrode structures
- Implementation in python (keras,tensorflow)
- Matlab stochastic generation algorithm

EDUCATION

Johns Hopkins Univeristy (USA)

Master cybersecurity
(September 2022-May 2023)

- Computer and mobile Forensics (Autopsy, volatility)
- Space system cybersecurity
- Cryptography
- Creation of honeypot (Docker)

University Paris-Saclay

M2 Security of networks, contents and telecommunications (SECRETS)
(September 2021-June 2022)

- Cryptography and applications
- Web security, application security, network security, partitioning
- Reverse engineering
- Cryptography
- Secure development, code audit
- Intrusion detection and incident management

EPF (generalist engineering school)

Engineer in Computer Science
(September 2016-May 2021)

- Audit Methodology (ISO 2700X...)
- Operational security (Burp,Metasploit...)
- Organizational security (EBIOSRM...)
- Agile Method and Management