

Alexis CHALLANDE

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Security Engineer

WORK EXPERIENCE

Since September 2018

Security Engineer, QUARKSLAB, Paris

- › (in progress) Ph.D. on the research of 1 day vulnerabilities in Android phones
- › Detection of 1-days in Android applications
- › Security Analysis of Android applications
- › Tooling for AOSP analysis

IDA Static Analysis Abstract Interpretation Android AOSP

Aout 2018
March 2018

M2 Internship | Searching Cryptography in Binary Code, ANSSI, Paris

- › Development and evaluation of a prototype
- › Solution implemented as an IDA plugin

angr Cryptography Symbolic Execution CFG/DFG

September 2016
September 2015

Apprentice in Cybersecurity, AXA CORPORATE SOLUTIONS, Paris

- › Work on ISO 2700X norms
- › Daily life of a security team
- › Weekly and monthly reporting (dashboard, reports analysis)
- › Company wide awareness campaigns on various security topics (*phishing*, password)

ISO 2700X VBA Fortify Detack CISO

SKILLS

Operating Systems Unix, Android
Reverse Engineering IDA Pro
Languages Python, C/C++, ASM (x86_64/ARM), Bash
Autre git, \LaTeX

TEACHING

- › Introduction to Reverse Engineering and Obfuscation (Ecole Polytechnique)
- › Reverse Engineering 101 (AFORP)

LAST FORMATIONS

- › BADGE-RE (204h) : Reverse Engineering Overview
- › Internal Trainings : Fuzzing, Rust, Instrumentations...

EDUCATION

2019-2022	Ecole Polytechnique	Palaiseau	Ph.D. in Cybersecurity
2016-2018	EURECOM	Sophia Antipolis	Master in Cybersecurity
2013-2015	UPMC/UiO	Paris/Oslo	Computer Science Bachelor (with an Erasmus semester)
2009-2012	Lycée Lavoisier	Paris	Baccalauréat Sciences option Mathématiques