

Christophe Néraud

Final Study Project - 6 months

Serious and hard-working. Ambitious and autonomous, as well as cooperative and team-work skilled; consistently looking for self improvement.

Growing passion for cybersecurity and challenges in this field. Willing to learn more and discover about this.

Degrees

Master's Degree in Computer Science Engineering

Grenoble INP - Ensimag Grenoble, France / Since September 2018

A top French engineering school in the field of computer science and mathematics.

2019-2020: Major in Embedded Systems and Connected Objects.

2020-2021: Master of Science in Cybersecurity.

CPGE MP

Lycée Joffre Montpellier / From September 2016 to July 2018

Two years intensive courses in science in order to prepare students to competitive exams.

Baccalaureate degree

Ecole Privée Bilingue Internationale Baillargues, France / From September 2015 to July 2016

Professional experiences

Internship in image processing and cybersecurity

LIRMM - CNRS Montpellier, France / From June 2020 to July 2020

During two months, I had to conceive an algorithm that would detect copy-move forgeries in pictures. I managed to improve the approach proposed by a paper so that my algorithm would be very fast and efficient on 4K UHD pictures.

Improved skills: technological skills (C++, OpenCV, Python, Bash), researching information, reading research papers, writing scientific articles.

Chief Technical Officer

Nsigma Junior Entreprise Grenoble, France / From March 2019 to March 2020

I'm in charge of all the information systems of the enterprise: servers, computers in our premises, the website and databases.

I help project managers determining the costing of the projects they lead as well.

Projects

Software Engineering Project

Grenoble INP - Ensimag Grenoble / January 2020

Conceiving in Java a compiler for a subset of Java: implementing grammars, researches and assembly code generation.

Improved skills: technological skills (ANTLR4, Java, Bash, Ruby, Maven, Cobertura), team management, SCRUM and Agile methods, validation methods and automating test generation.

Software project in C

Grenoble INP - Ensimag Grenoble / May 2019

Conceiving with the programming language C an algorithm which could convert a JPEG image into the raw PNM format.

Improved skills: programming, project managing, deadlines, teamwork.

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📅 Date of birth 28/04/2000

🔗 <https://rubytox.fr>

🚗 Driving licence (B)

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Looking for an internship

About 6 months Starting from February 2021.

Computer skills

C, C++ | Standard library, basic knowledge in Qt, OpenCV

Python | Standard library, numpy, plt

Java | Standard library, Maven, Cobertura, ANTLR4

Forensics | Experience with SleuthKit, JtR, Volatility (basics)

Pentesting | Experience on various challenges on HackTheBox

Cryptography | Knowledge of general concepts of symmetric and asymmetric cryptography

Security Architectures | Knowledge of various architectures: Key exchange, Kerberos, PKIX, X.509, PGP

Git | Basic usage, used it on all my projects

Networks | Good understanding of OSI and TCP/IP concepts

Unix | Good understanding, Bash scripting

Languages

English C1

› TOEIC : 985/990

Japanese B1

Russian B1

Social

Linkedin and GitHub: @rubytox
HackTheBox: Rubytox#198041