OLIVIER ROQUES

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EDUCATION

Imperial College London   October 2018 – September 2019
MSc in Computing: Security and Reliability *awarded with Distinction*   *London, UK*
Network & Web Security – Cryptography – Distributed Systems – Machine Learning

Telecom Paris (French *Grande École*)   2016 – 2019
MSc in Engineering (*Diplôme d'Ingénieur*)
1st year: multidisciplinary studies in science and social science   *Paris, France*
2nd year: System Security at **Eurecom**   *Sophia Antipolis, France*

Preparatory Classes at Marcelin Berthelot   2014 – 2016
Two-year undergraduate intensive course in mathematics and physics   *Saint-Maur-des-Fossés, France*

EXPERIENCE

Cisco Systems, Inc.   October 2019 – April 2020
Software Engineer Intern   *Issy-les-Moulineaux, France*

· Contributed to hICN: an Information-Centric Networking architecture compatible with IP
· Improved the transport layer API with security-related features
· Implemented test protocols and benchmarking environments with Docker and Vagrant

Lastline, Inc.   April 2019 – August 2019
Network Security Intern   *London, UK*

· Created a machine learning-based classifier detecting malware in encrypted traffic
· MSc Project winner of the *Corporate Partnership Programme Prize* of Imperial College London

Datawords   July 2017 – September 2017
Software Development Intern   *Levallois-Perret, France*

· Developed an internal website for testing purposes

PROJECTS

DoctiHome, a healthcare home device for the elderly   October 2016 – May 2017
Group project of 7 students for Telecom Paris

· Developed an Android application linking a patient and its relatives
· Finalist of the *Student Award* contest organized by Sopra-Steria in April 2017

Personal projects   *My repositories: github.com/ojroques*

· Created `staticdep`, a Python tool to compute dependencies among components of a static C library
· Set up a virtual private server serving as a web, DNS, Git and MySQL server
· Developed a secure rock-paper-scissors smart contract for the Ethereum blockchain
· Former member of *NOPS* at Eurecom, a CTF team solving security challenges for fun

SKILLS

Programming Languages	C, C++, Go, Python, Bash	
Web	HTML – CSS, PHP, MySQL, Nginx	*My website: oroques.dev*
Tools	Git, Docker, Vagrant, Scikit-learn, LaTeX	
Others	Linux, Network management, Android Studio	

LANGUAGES

French	Native language
English	Fluent (TOEFL iBT: 105/120)
Chinese	Beginner (HSK1 validated)