

OLIVIER ROQUES

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EDUCATION

Imperial College London MSc in Computing: Security and Reliability <i>awarded with Distinction</i> Network & Web Security – Cryptography – Distributed Systems – Machine Learning	October 2018 – September 2019 <i>London, UK</i>
Telecom Paris (French <i>Grande École</i>) MSc in Engineering (<i>Diplôme d'Ingénieur</i>) 1 st year: multidisciplinary studies in science and social science 2 nd year: System Security at Eurecom	2016 – 2019 <i>Paris, France</i> <i>Sophia Antipolis, France</i>
Preparatory Classes at Marcelin Berthelot Two-year undergraduate intensive course in mathematics and physics	2014 – 2016 <i>Saint-Maur-des-Fossés, France</i>

EXPERIENCE

Cisco Systems, Inc. <i>Software Engineer Intern</i>	October 2019 – April 2020 <i>Issy-les-Moulineaux, France</i>
<ul style="list-style-type: none">· Contributed to hICN: an Information-Centric Networking architecture compatible with IP· Improved the transport layer API with security-related features (TLS, digital signing)· Implemented test protocols and benchmarking environments with Docker	
Lastline, Inc. <i>Network Security Intern</i>	April 2019 – August 2019 <i>London, UK</i>
<ul style="list-style-type: none">· Created a machine learning-based classifier detecting malware in encrypted traffic· MSc Project winner of the <i>Corporate Partnership Programme Prize</i> of Imperial College London	
Datawords <i>Software Development Intern</i>	July 2017 – September 2017 <i>Levallois-Perret, France</i>
<ul style="list-style-type: none">· Developed an internal website for testing purposes	

PROJECTS

DoctiHome, a healthcare home device for the elderly <i>Group project of 7 students for Telecom Paris</i>	October 2016 – May 2017
<ul style="list-style-type: none">· Developed an Android application linking a patient and its relatives· Finalist of the <i>Student Award</i> contest organized by Sopra-Steria in April 2017	
Personal projects	<i>My repositories: github.com/ojroques</i>
<ul style="list-style-type: none">· 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 <i>NOPS</i> at Eurecom, a CTF team solving security challenges for fun	

SKILLS

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

LANGUAGES

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