

# OLIVIER ROQUES

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## EDUCATION

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<b>Imperial College London</b> 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>
<b>Telecom Paris</b> (French <i>Grande École</i> ) Diplôme d'Ingénieur (MSc in Engineering) 1 <sup>st</sup> year: multidisciplinary studies in science and social science 2 <sup>nd</sup> year: System Security at <b>Eurecom</b>	2016 – 2019 <i>Paris, France</i> <i>Sophia Antipolis, France</i>
<b>Preparatory Classes at Marcelin Berthelot</b> Two-year undergraduate intensive course in mathematics and physics	2014 – 2016 <i>Saint-Maur-des-Fossés, France</i>

## EXPERIENCE

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<b>Cisco Systems, Inc.</b> <i>Junior R&amp;D Software Engineer</i>	October 2019 – Present <i>Issy-les-Moulineaux, France</i>
<ul style="list-style-type: none"><li>· Contributed to hICN: an Information-Centric Networking architecture compatible with IP</li><li>· Implemented the MLS protocol in hICN-RTC to enable group confidentiality</li><li>· Research on network traffic management: development of a specialized network scheduler</li></ul>	
<b>Lastline, Inc.</b> <i>Imperial's MSc Project – Network Security Intern</i>	April 2019 – August 2019 <i>London, UK</i>
<ul style="list-style-type: none"><li>· Created a machine learning-based classifier detecting malware in encrypted traffic</li><li>· MSc Project winner of the <i>Corporate Partnership Programme Prize</i> of Imperial College London</li></ul>	
<b>Datawords</b> <i>Software Development Intern</i>	July 2017 – September 2017 <i>Levallois-Perret, France</i>
<ul style="list-style-type: none"><li>· Developed an internal website for testing purposes</li></ul>	

## PROJECTS

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<b>DoctiHome, a healthcare home device for the elderly</b> <i>Group project of 7 students for Telecom Paris</i>	October 2016 – May 2017
<ul style="list-style-type: none"><li>· Developed an Android application linking a patient and its relatives</li><li>· Finalist of the <i>Student Award</i> contest organized by Sopra-Steria in April 2017</li></ul>	
<b>Personal projects</b>	<i>My repositories: <a href="https://github.com/ojroques">github.com/ojroques</a></i>
<ul style="list-style-type: none"><li>· Created <b>staticdep</b>, a Python tool to find dependencies among components of a static C library</li><li>· Set up a virtual private server serving as a web, DNS, Git and MySQL server</li><li>· Active contributor of the <i>Neovim</i> open-source community</li><li>· Former member of <i>NOPS</i>, a CTF team from Eurecom solving security challenges for fun</li></ul>	

## SKILLS

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<b>Programming Languages</b>	C, C++, Python, Lua, Bash	
<b>Web</b>	HTML – CSS, PHP, MySQL, Nginx	<i>My website: <a href="https://oroques.dev">oroques.dev</a></i>
<b>Tools</b>	Git, Docker, Vagrant, Jenkins, LaTeX	
<b>Others</b>	Linux, Network management, Kernel development	

## LANGUAGES

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