Olivier Roques

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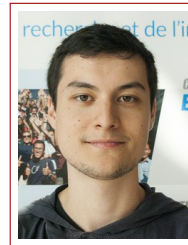
Education

2018 – 2019	**Imperial College London**, *MSc in Computing: Security and Reliability*, London, UK. Awarded with Distinction
2017 – 2018	**Eurecom**, *System Security*, Sophia Antipolis, France. Exchange program with Telecom Paris
2016 – 2019	**Telecom Paris**, *Diplôme d'Ingénieur (MSc in Engineering)*, Paris, France. GPA: 3.99/4
2014 – 2016	**Lycée Marcelin Berthelot**, *Preparatory Classes in mathematics and physics*, Saint-Maur-des-Fossés, France.

Experience

10/19 – 02/23	**Network Research Engineer**, *Cisco*, Paris, France. ○ Optimization of videoconferencing applications to jointly guarantee the security, quality of experience and scalability of these systems. ○ Development of an IaC platform for internal performance testing: automation (Jenkins / Terraform), deployment (VMware vSphere / Docker), data processing (InfluxDB / Grafana). ○ Research on network traffic management: analysis of network performance in the presence of competing TCP flows, development of custom Linux packet schedulers. ○ Responsible for the security layer of hICN, an ICN (Information-Centric Networking) network architecture: implementation of authentication and integrity modules.
04/19 – 09/19	**Network Security Intern**, *Lastline*, London, UK. ○ Internship carried out as part of the MSc Research Project of Imperial College. ○ Development and deployment of an intelligent classifier detecting malware in encrypted traffic. ○ MSc Project winner of the *Corporate Partnership Programme Prize* of Imperial College London.

Projects

MSc Project	(Imperial College) Design, deployment and analysis of a supervised classifier for detecting malicious TLS flows in corporate network traffic.
DoctiHome	(Telecom Paris) Software and hardware assistance for the elderly at home. Finalist project of the Student Prize from the Sopra Steria Foundation in April 2017.
NOPS	(Eurecom) A CTF team solving computer security challenges for fun.
Open Source	FD.io committer of the Linux Foundation. Author of several active projects on GitHub.

Skills

Prog.	C, C++, Python, Go, Lua, Bash
Tools	Linux, Git, Docker, LaTeX
Expertise	Cloud & Virtualization, Netowrks, System Security, Performance Testing, CI/CD

Languages

Français	Native language
Anglais	Fluent