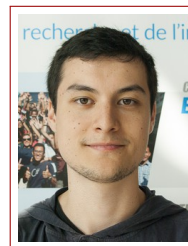


# Olivier Roques

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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