Flora Quilichini
Phd candidate in computer science

20/07/1993
French citizenship
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Education :

- **Since January 2018**: PhD in computer science, TITANE team, INRIA Sophia-Antipolis
  Generation and compression of Level of Details (Pisco Project – ANR)
  Advisors: Pierre Alliez, Guillaume Lavoué
- **2016-2017**: Master degree, Jean Monnet university (Saint-Etienne)
  OIVM (Optics Image Multimedia Vision), major AIMA (Advanced Imaging and Material Appearance)
- **2014-2017**: Engineer degree in imaging and electronics , Telecom Saint-Etienne
- **2011-2014**: Preparatory school in mathematics, physics and engineering sciences
  Lycée Laetitia Bonaparte, Ajaccio.

Experience :

- **26/01/2015-20/02/2015:** Short internship at CampusPlex, a software publisher company.
  Development from scratch of a rudimentary iOS application that detects beacons
  Programming language: objective-C
- **25/06/2016-19/08/2016:** Summer internship, City University of London.
  Segmentation Algorithm development from scratch. My work consisted in detecting the fenestrae (holes) in a stack of greyscale images that came from deep cuts in the internal and external laminae of rodents.
  Programming language: Matlab
  Supervisor: Constantino Reyes-Aldasoro, constantino.reyes-aldasoro.1@city.ac.uk
- **March 2016-June 2016**: School project for Beamtek Company.
  Development from scratch of an image compression algorithm without external libraries.
  Programming language : C
- **06/03/2017-31/08/2017:** Internship at Thales Alenia Space
  Sensivity analysis to study the parameters of an algorithm for wave front reconstruction.
  Implementation of a wave front reconstruction algorithm based on Gerchberg-Saxton
  Reliability tests
  Programming language: Matlab
  Supervisor: Michael Carlavan, mikael.carlavan@thalesaleniaspace.com

Skills :

- **Language** : French (mother tongue), English (proficient), Espagnol (level B1)
- **Main Programming languages :** Matlab, C++