

# ALICE PELLEGRINO

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🌐 <https://it.linkedin.com/in/alipellegrino92>

Sex female | Date of birth 22/11/1992 | Nationality Italian

## WORK EXPERIENCE

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**From 11<sup>th</sup> August to 10<sup>th</sup> November 2014**

Trainee at Esrin – ESA's centre for Earth Observation

**Area of Work:** EO Applications and Future Missions

**Tutors:** Gordon Campbell (EOP-SEI) and Ola Grabak (EOP-SEI)

Esrin (ESA), Frascati (Rome) 00044 Italy, Via Galileo Galilei 64

[http://www.esa.int/About\\_Us/ESRIN](http://www.esa.int/About_Us/ESRIN)

## EDUCATION & TRAINING

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**September 2015 – In progress**

MSc student in Space and Astronautical Engineering (Branch: Space Remote Sensing)

La Sapienza, University of Rome (Italy)

**From 3<sup>rd</sup> to 5<sup>th</sup> July 2015**

3<sup>rd</sup> UNISEC Global Meeting at the University of Tokyo (Japan)

**17<sup>th</sup> March 2015**

Bachelor's Degree in AEROSPACE ENGINEERING – (score: 96/110)

La Sapienza, University of Rome (Italy)

**From 2<sup>nd</sup> to 4<sup>th</sup> December 2014**

Selection Workshop in ESTEC (ESA) for REXUS-BEXUS programme 2014

REXUS/BEXUS programme is realised under a bilateral Agency Agreement between DLR and SNSBS, with the collaboration of ESA.

**From 15<sup>th</sup> to 30<sup>th</sup> March 2014**

“Space Debris and Surveillance” course

La Sapienza, University of Rome (Italy), Aerospace engineering.

**From 22<sup>nd</sup> to 25<sup>th</sup> April 2014**

Basic Apps development (“DevelopHer” trainings)

“La Nuvola Rosa” project by “Roma Capitale” and “Regione Lazio”.

**September 2006-July 2011**

Graduation in Second Level College of Experimental Science (PNI) – (score: 80/100)

Liceo Scientifico Statale Vito Volterra, via dell'Acqua Acetosa, Ciampino (RM).

High school diploma with an emphasis on physics, chemistry and natural sciences

## AWARDS & HONOURS

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**Since March 2015**

Italian Student Representative for UNISEC Europe (University Space Engineering Consortium)

<http://unisec-europe.eu/members/student-representatives/>

**12<sup>th</sup> and 13<sup>th</sup> of April 2014**

First classified in Italy with the “Look App” project (“Alert-Alert” Challenge).

Space Apps Challenge 2014 (NASA incubator innovation program)

## PERSONAL SKILLS

Mother tongue(s) Italian language.

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1

Communication skills

▪ **Good communication skills** gained through:

- i. Experience as Italian student representative during the 3<sup>rd</sup> UNISEC Global meeting in Tokyo (Japan).
- ii. Three-month trainee at ESRIN (ESA).
- iii. Experiences of teamwork during the High school and University.
- iv. Experience as rugby coach (4 years).
- v. Experience as rugby player (10 years).

Organisational/  
Managerial skills

▪ **Organisational / managerial skills** gained through:

- i. Three-month trainee at ESRIN (ESA).
- ii. Experience as team leader and outreach programme/public relations manager at University.
- iii. Experiences of teamwork during High school and University.
- iv. Experiences as event organizer.
- v. Experience as rugby coach (4 years).

Computer skills

- Good command of Microsoft Office™ tools.
- Good command of “Matlab” programming language.
- How to develop Basic Apps using *AppInventor*, *Gl makeApp (Garoo)* and *Windows App Studio- Microsoft*.
- How to use: STK (Systems/Satellite Tool Kit) by Agi; Orbitron; SaVoir Software by Taitus; MSC Software
- (NASTRAN-PATRAN-ADAMS); CATIA Core Tools.

Other skills

Adaptation skill and flexibility; availability to travel for work or study activities; logical and mathematical competences; experienced problem solving; action planning skill; innovation and creativity.

## PROJECTS

- **“LookApp”**: it is an iOS application for smartphones that sends you real time notifications about astrophysical events and sky phenomena happening right above your head – this project won the Italian “2014 Space Apps Challenge”. “Look App” was selected to be part of the *Student Team Competition* during IAC 2015 in Jerusalem.
- **“IRIDIUM”**: “Investigating Radiation Impact and Damages In UV-sensitive Materials” is an experiment preselected for the BEXUS programme 2014 focused on the monitoring of the sunlight effects on UV sensitive materials supplied by manufacturing companies and university laboratories. The mechanical device that allows reaching our aim is a thin display, fastened through a tubular beam and moved by a servo-motor, controlled by an Arduino platform.
- **“HORUS constellation”**: “HORUS” constellation is a CubeSats mission idea proposed and selected for participating in the 4th Pre Mission Idea Contest in July 2015 at the University of Tokyo (Japan). The constellation is based on a “cast” idea that aims at a better quantification of the atmosphere state and land surface properties through a multi-angle capability with a high revisit sampling.
- **“URSA MAIOR”**: “University of Rome la Sapienza Micro Attitude In ORbit testing” is a 3U CubeSat fully designed, tested and developed at “Sapienza Space Systems and Space Surveillance Laboratory” for the QB50 Mission (<https://www.qb50.eu/>).

## PUBLICATIONS

- Pellegrino, Alice, Caprara, Cambioni, Carbone, Cau, Cerini, Pacchi; “Look App”, *A Free Ios Application For Space Events*, IAC-15.E2.3-YPVF.4.1x28617, IAC Jerusalem 2015.
- Arena, Lorenzo, Angeletti, Curianò, De Zanet, Gradini, Pellegrino *Thermal And Mechanical Design And Test Campaign Results Of A Single-Piece Structure For The Ursa Maior Nanosatellite*, IAC-15,C2,1,8,x30546, IAC Jerusalem 2015.

Pellegrino

- Prof. Piergentili, Fabrizio, Angeletti, Arena, Prof, Balucani, Cardona, Prof, Coppotelli, Curianò, De Zanet, Gaeta, Lamarca, Prof. Nasuti, Panicucci, Pellegrino, Prof. Santoni, et al. *Design, Manufacturing And Test Of The Cubesat Ursa Maior*, IAC-15,B4,2,7,x30886, IAC Jerusalem 2015.
- Prof. Fabio Santoni, Prof. Fabrizio Piergentili, L. Arena, T. Cardona, G. Scirè, F. Diprima, A. Pellegrino, F. Curianò, A. Grossi, C. Canu, C. Portelli, A. Spinetti; *Equatorial Italian Observatory For Space Debris Monitoring At The Broglio Space Center*, AIDAA 2015, Turin.

SIGNATURE

A handwritten signature in black ink that reads "Alice Pellegrino". The signature is written in a cursive, flowing style.