






## Gian Luigi SOMMA

## Web Developer

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 Cambridge, U.K.

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 [LinkedIn](#)

 [ResearchGate](#)  [ORCID](#)

Passionate aerospace engineer, eager to embark on new challenging projects. Proactive rapid learner proficient in 10+ programming language with a 14+ year experience. Proven record as front and back end web developer .

### WORK EXPERIENCE

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- 2018 / - **Software and Web Developer**, University of Cambridge, U.K.  
Built a continuous integration and delivery system with GitHub and Circle Ci. Performed code test, refactoring and development (C++, YML). Webmaster of the [EEG website](#).
- 2005 / - **Front-End Web Developer**, Self-employed  
Convert customers' ideas and visions into modern and professional websites.
- 2015 / 19 **PhD on Space Debris Modelling**, University of Southampton, U.K.  
Developed and published a new space debris model with an innovative feedback controller.
- 2017 / 18 **System Engineer for the UoS3 CubeSat Mission**, University of Southampton, U.K.  
Coached the winning CubeSat team of the ESA competition "Fly your Satellite!". Implemented an inventory for satellite parts.
- 2017 / 17 **Researcher**, Department of Aerospace Science and Technology, Politecnico di Milano, Italy  
Fostered academic collaboration on space debris as visiting scientist.
- 2013 / 14 **Researcher**, School of Aerospace Engineering, "Sapienza" University of Rome, Italy  
Discovered and published Mars orbits that maximised the dwell time with satellites.
- 2012 / 13 **Space Propulsion Intern**, DLR, Germany  
Developed and optimised a model of a cryogenic test-bench to validate experimental results.
- 2008 / 09 **Thermal Engineer**, European Space Agency, European Student Moon Orbiter, Phase B  
Engineered thermal solutions to ensure the survival of a lunar orbiter in worst-case scenarios.
- 2008 / 09 **Structural Engineer**, Student Space Exploration and Technology Initiative, Phase A  
Designed and evaluated (CAM/FEM) preliminary configurations of a small satellite.
- 2004 / 15 **Astronomy and Astronautics Classes and Outreach Activities**, Self-employed  
Spearheaded in astronomy classes and popular science events (talks, star parties) to spread culture and passion for space.

### EDUCATION

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- 2015 / (07-19) . **PhD in Space Debris Modelling**  
Astronautics Research Group, University of Southampton, U.K.
- 2013 **Master's Degree in Astronautical Engineering** (110/110)  
School of Aerospace Engineering; "Sapienza" University of Rome, Italy
- 2010 **Bachelor's Degree in Aerospace Engineering** (97/110)  
"Sapienza" University of Rome, Italy

## ENGINEERING AND COMPUTER SKILLS

Programming Languages	C++, Fortran, Ecosim Language, LaTeX, Matlab, R, Shell, Visual Basic, YML.
Web Development	Ajax, CSS, HTML, JavaScript, JSON, MySQL, PHP, Sass/SCSS, XML
Web-related Software	Adobe CC, cPanel, EasyPHP, Wordpress
Software Development	Visual Studio, VS Code, version control (Git, GitHub), CI/CD (CircleCI).

## TRANSFERABLE SKILLS

Written and verbal communication	2 peer-reviewed articles; 5 papers, 4 oral presentations, 2 interactive presentations, and 1 poster at international conferences.
Teamwork	Gained from experience in international projects and research groups.
Flexibility	Easily adapted to different roles in the industry and research field thanks to a proactive continuous learning attitude (e.g. via Lynda.com/LinkedIn learning)
Problem solving	Lateral and critical thinker with a creative mind and strong analytical skills.

## AWARDS AND GRANTS

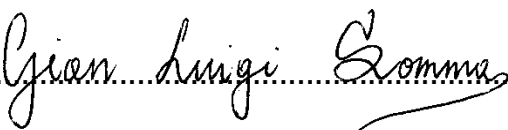
2017	Member of the winning team of the 2 <sup>nd</sup> edition of the ESA competition "Fly your Satellite!"
2014-17	Engineering and Physical Sciences Research Council Doctoral Training Studentship Grant
2014	Winner of the NASA competition "Mars Sample Return Project"

## LANGUAGE PROFICIENCY

- **Italian:** native speaker
- **English:** fluent (IELTS)
- **French:** intermediate (DELF B2)
- **German, Russian:** beginner

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**Date:** 15 November 2019.

**Signature:** ..........