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Airbus HR team

Dear Hiring Manager,

The **AOCS/GNC** and **Robotics Engineer** opening, with base in Stevenage is of great interest to me. I have found it on **LinkedIn**.

Having an ardent interest for Space Robotics, I have felt compelled to search a job opportunity in Airbus. It was very exciting for me to hear that the company aims to *"acquire new talent and skills while also ramping up production volume"*.¹

I would be glad to become part of Airbus workforce. Usually, when I am working on a project that interests me I become extremely passionate and channel a lot of energy into it. If I had to choose, I would say that my two greatest interests are Programming and Robotics Control, actually I believe the former to be a form of art.

Moreover, since the time of the first projects in academy I have enjoyed greatly to be able to model the evolution of dynamic system through programming. The topic of my master thesis was about **SLAM**.² I developed a system for autonomous navigation which performs 3D LIDAR Odometry and Tracking on high order features extracted from the pointcloud.

After that I have matured even more interest in **autonomous navigation** even if my job after graduation focused on something else entirely: I was employed in INRIA as a robotics engineer where I developed a system for teleoperation. During this experience I learned a lot because I was responsible of the design and implementation of the entire pipeline software-side:

- dynamic simulation and control starting from URDF description of robots.
- GUI prototyping using an open source C++ library.
- containerization and automation of the development environment.
- handling communication between modules with ROS.

In both these experiences I have built a strong C++ foundation.

I am seeking a working opportunity that would allow expressing my creativity. Thus, I think that Airbus will be one of the best companies to find it.

Sincerely,
Edoardo Ghini

¹2022 Annual Airbus press conference found [here](#)

²*Position tracking in 3D scenes using high order primitives.* links to [code](#) and [thesis](#).