

**Irvin Aloise**  
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**Fixposition Recruitment Team**

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Dear Sir or Madam,

I am responding to your ad for *Computer Vision Engineer*. I saw your ad on your website and I think that my qualifications fit the requirements for this position.

I am currently a Ph.D. Candidate in Computer Science at Sapienza University of Rome - expected ending date is October 2020 (hard deadline). In my Ph.D. I focused on Simultaneous Localization and Mapping (SLAM), Sensor Calibration and Non-Linear Optimization. A brief overview of my qualifications:

- Extensive knowledge of the SLAM problem and experience in developing efficient SLAM system from scratch (e.g. <https://srrg.gitlab.io/sashago.html>)
- Strong experience with real-time visual-based and multi-sensor SLAM (e.g. [https://github.com/srrg-sapienza/srrg2\\_slam\\_interfaces](https://github.com/srrg-sapienza/srrg2_slam_interfaces))
- Experience with sensor calibration in the context of SLAM (e.g. [https://github.com/srrg-sapienza/srrg2\\_apriltag\\_calibration](https://github.com/srrg-sapienza/srrg2_apriltag_calibration))
- Extensive knowledge of state-of-the-art Non-Linear Optimization Solvers like `g2o`, `gtsam`, `ceres` and `slam++` (e.g. [https://srrg.gitlab.io/g2o\\_chordal\\_plugin.html](https://srrg.gitlab.io/g2o_chordal_plugin.html), [https://github.com/srrg-sapienza/srrg2\\_solver](https://github.com/srrg-sapienza/srrg2_solver) and [https://gitlab.com/srrg-software/srrg\\_g2o\\_slim](https://gitlab.com/srrg-software/srrg_g2o_slim))
- Highly proficient in C++ (also modern standards)
- Daily use of Linux as development environment
- Experience with Continuous Integration and Dockers.

If you think that I could match the requirements, please contact me.

Yours faithfully,

**Irvin Aloise**

*Attached: full resume*