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Magic Leap Recruitment Team   August 3, 2020

Dear Sir or Madam,

I am responding to your ad for *Computer Vision Engineer/Researcher*. 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 multi-sensor SLAM (e.g. `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`)
– 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://github.com/srrg-sapienza/srrg2_solver` and `https://gitlab.com/srrg-software/srrg_g2o_slim`)
– Highly proficient in `C++` (also modern standards)
– Daily use of Linux as development environment
– Experience with Continous Integration and Dockers.

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

Yours faithfully,

Irvin Aloise

Attached: full resume