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ANYbotics Recruitment Team
ANYbotics AG.
Hagenholzstrasse 83a
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Dear Sir or Madam,

I am responding to your ad for *Navigation Software 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. 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>)
- 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 and https://gitlab.com/srrg-software/srrg_g2o_slim)
- Experience with multiple types of map representation (e.g. point-clouds, geometric primitives, factor graphs)
- Highly proficient in `C++` (also modern standards)
- Daily use of `Eigen` and `ROS` and debugging tools like `GDB` and `Valgrind`.
- Experience with Continuous Integration and Docker.

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

Yours faithfully,

Irvin Aloise

Attached: full resume