

Application for Position Robotics Engineer

Dear Sir/Madam,

I apply with great interest for the job advertised as Robotics Engineer. My desire to build Robots has opened paths to topics like PCB design, Microcontroller Programming, Version control system, File systems, Networking – Internet, ROS and Rapid - Prototyping, during my role as work student at ISIS IC GmbH. Where, I was responsible for projects related to SPECTORS - The Dutch-German cooperation project funded by INTERREG V-A Deutschland-Nederland. By taking up the research project “Controller design for a Mobile Robot” under Prof. Dr. Ronny Hartanto, I implemented the concepts like multi body dynamics, control theory and Tribology practically with the help of MATLAB – Simulink – Simscape, for which foundation was laid during my pursuit for Master’s degree partially which further motivated me to learn by practice.

Clearly I see the need to have an overview of multiple disciplines to be a successful Robotics engineer. At the same time I understand the need of proficiency in one or two topics to contribute to a Multidisciplinary team. Hence I put forth my modeling, simulation, Rapid-prototyping and technical documentation experience as my choice of contribution to a R&D team, although as a budding engineer I am open to learn and expand my knowledge in other areas which I would be exposed to during the deployment of Magazino’s service robots at customer sites in different locations, worldwide.

I would kindly suggest if I may, that we engage in a video call so that you know me better as a person.

Looking forward to hearing from you.

Yours sincerely,

Giri



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 Robotgir

skills

Rapid prototyping

MATLAB - Microcontrollers
Eagle - Fusion 360 - Solidworks

Embedded system implementation

Programming - C++
Circuit design - Eagle

Robotic Software Framework
ROS

interests

Mathematics
Rapid - prototyping
Autonomous Mobile Robots
Real time control system design