

Livier Germann

Robotics Engineer

Profile

Details

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(446) 891-8010

Burlington, VT

I am an experienced Robotics Engineer with over 3 years of experience in the field. My expertise lies in design, integration, and programming of robotics systems, as well as creating software solutions to control the robotic systems. I have a proven track record of successful projects, including the development of a robotic arm for a medical device company, and the integration of a robotic arm for a manufacturing company. Additionally, I have experience with robotic simulation and computer vision.

I am highly proficient in the programming languages C++, Python, and MATLAB, as well as working with robotic operating systems such as ROS and RobotStudio. I also have experience working with a variety of sensors and actuators, and have a strong understanding of the principles of kinematics, dynamics, and motion control.

Overall, I am a capable Robotics Engineer with a passion for developing innovative solutions to challenging problems. I am eager to contribute my skills and experience to a dynamic and engaging environment.

Employment History

Robotics Engineer at Smart Robots, VT

Dec 2022 - Present

- Designed and implemented a robotic arm that increased production output by 20% - Designed a robotic arm with a sophisticated motion control system that increased the productivity of the production line by 20%. Utilized the latest technologies in robotics engineering to develop the arm, including 3D printing, deep learning algorithms and advanced sensors.
- Developed a robotic vision system that reduced errors by 50% - Developed a robotic vision system for Smart Robots' manufacturing process that incorporated machine learning algorithms and computer vision techniques. The system was able to detect and classify objects with high accuracy and reduce errors by 50%.
- Automated the assembly process which saved 10 hours of labor per day - Automated the assembly process of Smart Robots' products using robots and a customized software program. This automation process saved 10 hours of labor per day, resulting in a significant cost savings for the company.

Robotics Engineer I at Robotics & Automation Solutions, VT

Sep 2020 - Oct 2022

- Developed a robotic arm for a client that improved their production speed by 25% - By designing and implementing a robotic arm that could handle the same tasks as a human worker at a faster rate, I was able to improve the client's production speed by 25%. This increased their output and reduced their costs significantly.
- Led a team of engineers in developing an automated manufacturing line that increased efficiency by 50% - I led a team of engineers in developing an automated manufacturing line that increased efficiency by 50%. This allowed our client to produce more product