Honeybee Robotics is seeking a Robotics Software Engineer for our Brooklyn, NY facility.

Position Summary:
The Robotics Software Engineer works to develop and implement new software designs for robotics applications.

Responsibilities:
- Contribute to overall robotics software architecture and roadmap decisions
- Develop and implement novel algorithms for advanced safety-critical robotic applications
- Evaluate and identify improvements to system designs with specific focus on robust autonomy
- Implement software development, test, and release tools and processes
- Interface with scientists, engineering managers, product management, and/or program management to drive new product development programs from concept to production
- Create technical documentation (e.g. specifications, hazards analysis, etc.) for complex systems
- Provide hands-on support to cross-functional product development teams serving markets including space, defense, medical, manufacturing, and other industries

Required Experience, Skills and Education:
- US Person (US Citizen or Permanent Resident)
- BS degree (MS preferred) in Robotics, Computer Science, Computer Engineering, Electrical Engineering or equivalent
- 2-6 years (or 0-6 years w/ MS) post-grad experience developing, delivering, and sustaining cyber-physical software applications
- 2+ years working with space, mobile, industrial, or medical robots
- 2+ years development with ROS and/or OROCOS
- Fundamental understanding of computer architectures, information representation, control flow, and memory management
- Development experience with robotic systems and theory (e.g. mechatronics, kinematics, dynamics, sensing, control, planning, etc.)
- C++ development on both non-realtime and realtime platforms
- Python development for rapid algorithm development and data analysis
- Development of distributed asynchronous and deterministic systems
- Fluency in distributed software version control with Git and modern distributed software development and collaboration workflows

TO APPLY: Visit our career site at https://www.honeybeerobotics.com/about-us/careers/ or send your resume directly to jobs@honeybeerobotics.com and reference job number A05 in the subject line.

We offer excellent benefits, including: medical, dental, vision; life insurance; STD and LTD insurance; FSA/HSA, 401(k), paid holidays, vacation pay, sick leave, and tuition reimbursement.

Honeybee Robotics creates specialty robots, electromechanical flight subsystems, automated drills and other machines destined for work on Earth, Mars and beyond. We make next-generation applications a reality through creative, collaborative engineering that combines the best minds with innovative technology.

Since 1983, we have completed more than 300 advanced projects for NASA, the US Department of Defense, academia and industry. Every Martian rover since 2003, has relied on systems built by Honeybee Robotics. Our passion for the planet continues as we work on future systems for Mars, planetary moons and asteroids.


Honeybee Robotics is an equal opportunity employer and we value diversity at our company. We do not discriminate based on race, religion, color, national origin, gender, sexual orientation, age, marital status, veteran status, or disability status.