We may well be the coolest robotics company you've never heard of!

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

**Position Summary:**
The Robotics Software Engineer is responsible for sensor-based robotics algorithm development, implementation, testing, and analysis as part of a multi-disciplinary team.

**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 a 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, or equivalent
- 2-6 years (0-6 years w/ MS thesis) post-grad experience developing, delivering, and sustaining software for robotic platforms in space, undersea, land, indoor, industrial, or medical domains
- Fundamental understanding of computer architecture, information representation, data structures, algorithms, computational complexity, networking, real-time systems, and memory management
- Expertise with robotic perception and control theory and implementation (e.g. linear systems, mechatronics, kinematics, dynamics, sensing, perception, control, planning)
- Expertise with C++ development (e.g. modern language features, design patterns, multithreading, metaprogramming, build systems, cross-compilation, popular frameworks and libraries)
- Experience with Python development for rapid algorithm development and data analysis
- Experience using ROS to develop autonomous robot applications or similarly complex frameworks
- Fluency in distributed software version control with Git and modern collaboration workflows

**TO APPLY:** Visit our career site at [https://www.honeybeerobotics.com/about-us/careers/](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.

Learn more about Honeybee at [www.honeybeerobotics.com](http://www.honeybeerobotics.com) and our parent-company Ensign-Bickford Industries at [www.ensign-bickfordind.com](http://www.ensign-bickfordind.com).

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.