Honeybee Robotics is seeking a **Senior Software Engineer** for our Phoenix, AZ facility

**Position Summary:**
Supports robotics and measurement software systems development.

**Responsibilities:**
- Oversee site-wide software development efforts
- Develop and maintain robotic control and measurement software system for both PCs and embedded systems
- Lead efforts in testing and validation on robotics software and control systems
- Manage software field deployments and provide support on-site and remotely to customers
- Deriving and owning software system requirements and schedules
- Evaluating and identifying improvements to system design with specific focus on robust autonomy
- Interfacing with scientists, engineering managers, product management and/or program management to drive new product development programs from concept to production
- Provide hands-on support to cross-functional product development teams servicing 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 Computer Science, Robotics, Computer Engineering, Electrical Engineering or equivalent
- 10+ years of experience (or 8+ with MS) in software development for either PC or embedded targets
- Experience designing effective software architectures for critical high-reliability systems
- Extensive knowledge of C/C++ development
- Capability to write maintainable and responsive multithreaded and multi-process applications
- Knowledge of digital communication systems (Ethernet, USB, async, serial, CAN, SPI, I2C)
- Experience with space flight avionics or ground system software, particularly on planetary exploration missions
- Experience with distributed networked software for controls (i.e. ROS)
- GUI development experience (Qt experience preferred)
- 2+ years RTOS development experience
- Knowledge of robotics motion systems (e.g., manipulator kinematics and dynamics)
- Knowledge of automated software test and continuous integration systems

**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 **PS02** in the subject line.

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.**