



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

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

**Position Summary:**

The Senior Electrical Engineer is responsible for the development (concept through product test) of new robotic products.

**Responsibilities:**

- Developing budget and schedule inputs for product development planning
- Proactively identify roadblocks to technical progress and take steps to mitigate/avoid
- Define electrical requirements
- Embedded systems design including DSP, Microprocessor, and FPGA development
- Analog/digital circuit design and analysis
- High Reliability Printed Circuit Board layout design
- Generating fabrication documentation and vendor specifications
- Board-level assembly and test including environmental testing
- Data acquisition systems configuration and testing support

**Required Experience, Skills and Education:**

- US Person (US Citizen or Permanent Resident)
- BS or MS (preferred) in Electrical Engineering
- 8+ years of experience developing embedded systems with direct applicability to robotic systems
- Low-level firmware development for embedded targets including DSP & microprocessors
- Embedded hardware development for control of BLDC, stepper, or brushed DC motors
- Fluency in C, C++, experienced in Python, Java, and Shell Scripting
- Test & debugging of embedded systems for complex robotic systems using oscilloscopes, JTAG/USB debugger, etc.
- Writing and maintaining design documentation and Interface Control Documents
- Demonstrable hands-on experience with all phases of development including requirements analysis, prototype design, product design, assembly, debug, and testing
- Excellent intra-team and client-facing collaboration and communication

**TO APPLY:** Visit our career site at <https://www.honeybeerobotics.com/about-us/careers/> or send your resume directly to [jobs@honeybeerobotics.com](mailto:jobs@honeybeerobotics.com) and reference job number **A04** 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.*