

### **WiBotic Electrical Engineer Job Posting**

Are you excited about the emerging world of robotics automation? Are you eager to learn, self-motivated and excited to work on new technologies? Is a fast-paced, high-growth and team-oriented startup the place for you? Then WiBotic might be a great fit.

At WiBotic, you can be a part of dynamic team that is changing the way autonomous systems stay charged up around the world. We are building the next generation of intelligent wireless power systems for drones, ground-based and underwater robots. At this early stage, every person at WiBotic will have a significant impact on the team, our products and our company. Your input and ideas are always valued. If this resonates with you and you have what it takes to join WiBotic, please contact us today!

**We are looking to fill 2 full-time Electrical Engineer positions to:** develop, design, and test complex electrical designs for our wireless power, battery charging, and communication systems. Duties include:

- Engineering design of wireless power products that are highly reliable, certifiable, and manufacturable;
- Prepare technical drawings and specifications to ensure that product designs conform to company standards and customer requirements;
- Design circuit schematics to be used in the iteration and manufacture of our wireless charging and communication products;
- Develop prototypes of electrical products for wireless power, battery charging, and communication systems;
- Document electrical engineering specifications and record engineering issues to create detailed test plans for use throughout the manufacturing process;
- Test new and novel circuit designs that are prototyped by other electrical engineers;
- Perform system analysis and evaluate solutions for complex production and product issues;
- Work with an interdisciplinary team to execute product designs from concept to production and certification; and
- Oversee product development processes, and effectively communicate with the team regarding priorities, timelines, and challenges.

Minimum Requirements: Bachelor's degree in Electrical Engineering or related field, plus 2 years of experience in electronic hardware product design. Experience, which may be gained concurrently, must include:

- 2 years of experience designing electrical and mechanical components for thermal management
- 2 years of experience designing high power (greater than 100W) electronics and systems
- 2 years of experience in design and layout of PCB schematics

- 2 years of experience designing electronics products incorporating wireless RF technologies (Wi-Fi, Bluetooth and NFC)
- 2 years of experience working with common communications protocols (UART, SPI, I2C, CAN and USB)
- 2 years of experience in printed circuit board, analog mixed signal and power converter design
- 2 years of experience in Electrical validation and testing using equipment including Oscilloscopes, Power supplies, rework (soldering)
- 2 years of experience wireless power coil and system design, magnetics design simulations, prototyping, power transfer algorithms, and resonant circuit design
- 2 years of experience in radiated emissions testing, EMI/EMC compliance testing
- 2 years of experience in cross functional experience working with mechanical, firmware and other electrical engineers towards consumer electronics design

**Please email your resume to [jobs@wibotic.com](mailto:jobs@wibotic.com) with reference to Job # 058534.**