63 Great Road
Suite 204
Maynard, MA, 01754
admin@dephy.com

# Jr Electrical/Electronics Design Engineer

## Wearable Robotics – Exoskeletons

Dephy is looking for a candidate who was born to be an engineer: someone who has an urge to understand how things work, someone who gets excited when there is no known solution to the problem at hand. We are curious, creative, and passionate engineers looking for a team member to help us tackle problems at the forefront of wearable robotics. Come help us transition mobility exoskeletons from labs and treadmills to the real world: cities, trails, and mountains.

**Job description**

Your main responsibility will be to learn as much as possible about designing and programming powered exoskeletons. You will be exposed to the current circuit designs and code base and given incrementally difficult problems to solve: design a new flex cable, automate a tedious task, design a more efficient switch-mode power supply, etc. You will be in charge of every step of the process, from designing to assembling, testing and integrating your work. Your sub-circuits and your firmware will be integrated in our test systems first, then in our products. 65% of your time will be spent on hardware, and 35% on firmware and software.

**Required qualifications**

- Minimum education: bachelor's degree in electrical engineering.
- Relevant internships and/or student projects (capstone, clubs, competitions).
- Strong motivation to learn and develop your engineering design skills.
- Excellent written and verbal communication skills.
- Self-sufficiency is key, as well as a strong attention to detail and quality.

**Experience with, or motivation to learn:**

- Circuit design for mixed-signal applications: microcontrollers, motor control, ADC/DAC, wired communications, switch-mode power supplies, thermal management, radio modules, etc.
- PCB design: multi-layer tightly integrated with mechanical components, and flex circuits.
- High-speed circuit design: microprocessors, RAM interface, inter-CPU communication.
- Embedded programming on microcontrollers (PSoC 4/5 and STM32 or equivalent, C).
- Bringing up and debugging hardware and associated firmware.
- Designing robots, exoskeletons, active prostheses, or other electromechanical systems.
- Altium Designer and Solidworks.
- Automating experiments with Python scripts.

**About the Company**

Dephy is a robotics startup founded in 2016 with the primary mission of bringing humans Beyond Nature™ with performance enhancing wearable robotics technologies. We utilize a practical, hands-on approach to design, build, evaluate and commercialize the world's most advanced exoskeletons for human augmentation. We are active in the military, academic, medical, business, and consumer markets.

**Other information**

- Start date: now
- This role is restricted to US persons (i.e., US citizens, permanent residents, and other protected individuals) due to potential access to export-controlled technology.
- Dephy is an equal opportunity employer and does not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, age, disability, marital status, veteran status, sexual orientation, genetic information, or any other protected characteristic under applicable law.
- Salary and equity will be determined based on qualifications
- Apply at http://dephy.com/