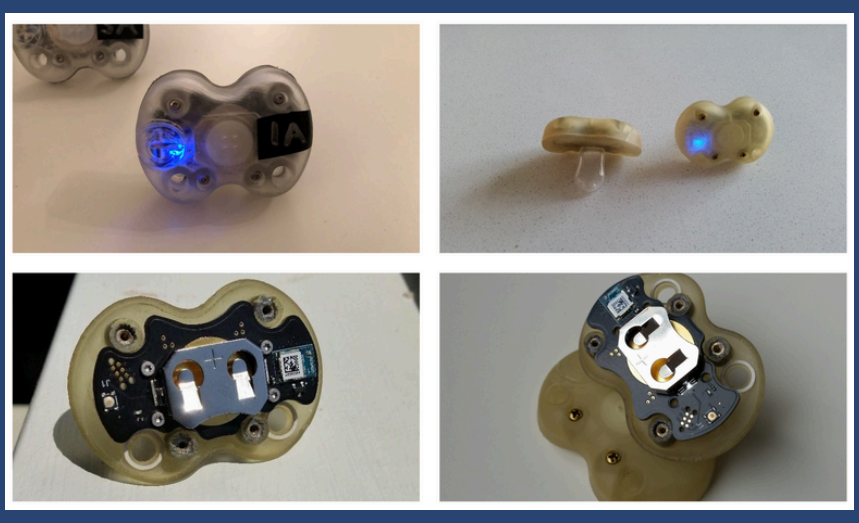
ROOT3LABS

WE ARE HIRING:

SENIOR COMPUTER ENGINEER

We’re looking for an experienced Electrical / Computer Engineer to join our team. Develop firmware for embedded systems, solve electrical & software problems, and build medical devices of all kinds. If you enjoy creative problem solving, seek technical challenges, and crave variety, our engineering R&D company might be the right fit for you. Never be bored again!



Benefits package includes

- healthcare, 401k + matching
- profit sharing, short-term disability
- continuous training & development
- personal use of our sweet Workshop.
- $115k+ based on exp.

Typical Responsibilities:

- Microcontroller selection & firmware programming
- Power optimization for battery management
- Wired and Wireless/RF (Ethernet, USB, Modbus, WiFi, BLE, etc.)
- Analog and digital circuit design, PCB layout
- FPGA/digital design experience
- Design, build, and test designs with standard equipment (Oscilloscope, Spectrum Analyzer, etc.)
- Perform simulations and detailed analysis of system performance
- Create documentation of design, technical analyses, and test results
- Communicate effectively with colleagues, project managers, and clients
- This is an in-person position in Owings Mills, MD

Qualifications:

- Proficiency with technical engineering concepts and problem solving
- C, C++, KiCAD, Python, Docker, Kubernetes, embedded Linux, RTOS
- Oscilloscope, PCB analysis & troubleshooting, soldering & PCB rework
- BS or MS Computer Engineering, Electrical Engineering
- Strong verbal and written communication skills
- Enjoy voiding warranties & tinkering
- 8+ years experience
- US Citizenship required (NISPOM)

APPLY NOW

Root3 Labs is an engineering R&D company specializing in the design, research, and development of electromechanical devices for medical device and defense industries, turning problems into prototypes and prototypes into finished products. We frequently work on problems other firms find too challenging, whether that's reverse engineering 30 year old embedded systems, miniaturizing modern designs, or integrating electronics into complex mechanical systems. Our facility includes an extensive fabrication workshop to allow quick design-prototype-test cycles using a variety of materials, equipment, and techniques.

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