



Position: Junior Embedded Systems Engineer

Description: BIOS, a growing start-up company dedicated to innovating biological-based lighting system for people, plants and animals; is looking for a well organized and highly motivated junior embedded systems engineer to help develop commercial and research based hardware for novel circadian and photo-biological systems. Ideal candidates have experience in controlling/sensing light. An interest in bio-medical and visual applications of light would be a bonus. Full-time position will be located in Carlsbad, CA.

Minimum Experience: 0-3 years professional experience

Minimum Education: BS in Electrical Engineer, Computer Engineering or Biomedical Engineering or equivalent with project experience using microcontrollers.

Technical Skills Required:

- Experience with low-level C-language programming and debugging, revision control (git), and embedded software testing.
- Understanding of analog & digital electronics and circuitry.
- Basic understanding of schematics and printed circuit boards (PCBs)

Technical Skills Preferred:

- Electronic parts specification
- Higher-level application development, such as Java, Python, SQL & use of virtual machines
- iOS and Android app development
- Sensor integration and data extraction
- Machine learning and neural computation
- Data mining
- Design for manufacturing