

Transonic EndoGear Inc. is a Davis, California based R&D and manufacturing startup of advanced biotelemetry systems for animal model monitoring in medical research. We are currently seeking an

Analog/Digital Design Engineer

for our new product development group. We specialize in the design and development of novel, totally implantable biotelemetry systems for academic research, pre-clinical and pharmaceutical industries. The successful applicant will develop, design and test implantable and external electronic hardware and software components for such biotelemetry systems.

Duties and Responsibilities:

- Design, implementation and testing of electronic subsystems for implantable and external electronic equipment and other hardware and software systems.
- Electronic Hardware/Software Documentation

Desired Training and Experience:

- Min of BS degree in Electrical/Electronic Engineering, or Biomedical Engineering
- Five (5) or more years of professional experience in the following areas: Ultra-low power mixed analog and digital design experience, microcontrollers design experience, and embedded firmware development skills.
- Proficiency with design engineering software tools for schematic capture and PC board layout software and experience working with PCB fabrication and assembly houses to take PCB designs from prototype to production.
- Must have strong hands-on technical troubleshooting skills in both digital and analog circuits, and excellent soldering and SMD working skills using 0402, 0201 and 1005 size passive parts.
- PC software development skills, Java, C/C++, or Python applications development.
- Design experience in microcontrollers using Atmel and/or Microchip PIC series of 8/16-bit microcontrollers.
- Embedded firmware design and development using high level languages, preferably C and PICBasic Pro.