PCB Design Engineer

HRL Laboratories, LLC

For more than 60 years, HRL's scientists and engineers have been on the leading edge of technology, conducting pioneering research, providing real-world technology solutions, and advancing the state of the art. We continue to be recognized as one of the world's premier physical science and engineering research laboratories.

We're looking for the best and brightest scientists and engineers to help us develop the most innovative technologies for aerospace, automotive and defense applications. You'll have the opportunity to conduct basic and applied research as well as contribute to product development. You'll be positioned for unique career growth opportunities as a member of the research community serving our LLC Members, government and commercial customers. You'll also have a key role in shaping the future of technology.

Education Desired:

Minimum of 5 years experience in PCB and circuit design with a BSEE or higher is preferred

Essential Job Functions:

Candidate will join a growing team developing next generation systems integrating high precision sensing technologies with advanced shock and vibration designs in a variety of application areas. Candidate should have an in-depth understanding of analog and digital circuit design and will be responsible for full cycle: development from concept to end product. Job responsibilities include PCB layout, board validation/debugging, and documentation including BOMs, electrical specifications, and test documentation for the technical support team. Candidate must be comfortable with accelerated transition schedule from laboratory demonstration of system prototype to field operation. Candidate should have good organizational skills, being able to multitask with shifting priorities. Candidate will work in a collaborative research environment with team members from multi-disciplinary fields.

Experience Desired:

- Circuit schematic and PCB design layout
- Experience working in a research laboratory, either academic or industrial
- Interface with external PCB manufacturers
- Firmware coding and test validation

Knowledge Desired:

- Altium design layout software is a plus
- Mixed-signal PCB design
- PIC microcontrollers
- Communication bus (SPI, I2C, CAN, Uart)
- Embedded systems control and design using micro-controllers, micro-processors, or FPGA is a plus
- C+/C# programming language

Special Requirements:

U.S. citizenship or permanent resident status required.

For more information, contact Jill Mulqueen: jamulqueen@hrl.com