



Job Opening: Mechatronics Intern

About ZoNexus LLC

ZoNexus (www.zonexus.com) is a startup company that makes tools for transmission electron microscopes (TEM), scanning electron microscopes (SEM) and other microscopy- and spectroscopy-related instruments. We are looking to hire a summer intern to develop controllers and software for electron microscopy tools and accessories.

Job Requirements:

- Associate, Bachelors or Masters student in mechanical engineering, electrical and computer science and engineering, electrical engineering, physics or similar.
- Programming skills for motion control and knowledge of basic electronics.
- Strong background in using 3D CAD programs such as SolidWorks or Fusion 360.
- Hands-on experience in assembly of electronic equipment (soldering, etc).

Other desired skills/experience

- Experience with software development (back-end and front-end) using Python
- Experience with product design and prototyping
- Experience and knowledge in vacuum-based systems and their components such as pumps, valves and their controls.
- Knowledge about vendors for purchasing parts and materials
- Experience in heat transfer and fluid dynamics calculations
- Experience with cryogenic systems
- Experience with SEMs, FIBs and TEMs

Location: Richmond and Berkeley, California

Note: This is a full-time, 3-month appointment with the possibility of continuation based upon job performance and availability of funds. Candidates should have authorization to work in the US. Recently graduated students may apply.

Contact: Please email jobs@zonexus.com with an informal cover letter and a resume.