

Job Opening – Electrical Engineer Intern

Advent Diamond wants you to help us change what's possible in the world of electronics. We are making particle detectors using lab-grown diamond and seek an electrical engineer interested in working on a variety of projects. As a start-up company, we seek a team player who enjoys learning, growing and adapting to changing opportunities. Our company values making technology that benefits society and maintaining a positive workplace culture. This position could lead to a full-time role.

Responsibilities:

Contribute to the development of Advent Diamond products, specifically research and development of next generation radiation/particle detectors:

- Work with teammates and consultants on the design and modeling of read-out circuit for diode-like semiconductor-based radiation detectors
- Interview target customers, vendors and consultants to determine detector design needs
- Contribute to the product design including packaging and end user experience
- Perform lab-based measurements to characterize detector performance
- Prepare prototype specifications and data sheets, and support writing of other technical or marketing materials

Experience and Skills:

1+ years' experience in circuit design and electronics assembly (you may include projects done for course work).

Preferred skills (please apply if you have any of the below):

- Circuit design/ product design using semiconductor components
- Electrical bench testing skills: I-V measurements, C-V measurements, etc.
- Mentoring/teaching technical skills

Education:

MS or BS with (1+ years) equivalent experience

Critical Physical Requirements:

Must be able to perform relevant physical activities that include working in a laboratory for an extended period with good manual dexterity and high visual acuity.

Other Requirements:

- Extremely careful and detail oriented
- Strong communication skills
- Strong teamwork skills
- Commitment to health and safety
- A willingness to grow and learn



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Benefits:

- Get in on the ground floor of a growing technology startup
- Schedule is flexible, may have to work evenings and weekends occasionally

Advent Diamond is a start-up company with a strong commitment to maintaining a healthy and inclusive workplace, is an equal-opportunity employer.