



## CapeSym, Inc.

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### **Radiation Detection Scientist/Engineer**

CapeSym, Inc. is a successful research company devoted to the development of new radiation sensor and systems technologies for commercial, medical and government use. CapeSym is in pre-commercialization stages of a number of detector materials, and is conducting R&D for development of other novel materials.

To support our expanding materials efforts CapeSym is seeking a Radiation Detector Scientist/Engineer. We are interested in candidates in early- and mid-stages of their career. The candidate will be involved with the design, fabrication and testing of semiconductor radiation detectors.

#### ***Responsibilities:***

- Fabricate semiconductor gamma and neutron detectors
- Develop/improve surface treatment and metallization techniques
- Test radiation response of detectors
- Provide feedback to materials scientists to improve resolution and sensitivity of detectors
- Deliver presentations and write reports, on research results
- Write research proposals and generate new contracts
- Interface with customers

#### ***Qualifications:***

- Experience in semiconductor physics and radiation detection
- BS, MS or Ph.D in Material Science, Physics, Nuclear Engineering, or Electrical Engineering
- Hands-on experience in equipment building and trouble shooting
- Creativity and attention to detail, capable of juggling multiple projects
- Excellent written and oral communication skills
- Experience in writing successful proposals and securing research grants