



## CapeSym, Inc.

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### **SUMMER INTERNSHIP**

#### **Radiation Detector Fabrication and Testing**

The successful candidate will work with a Senior Engineer/Scientist to fabricate and test semiconductor radiation detectors. The work will involve cutting and polishing of samples, surface treatment of surfaces prior to metallization, operation of an evaporator to deposit metal contacts. The response of detectors to alpha and gamma irradiation will be tested with low noise electronics, with special emphasis on obtaining high fidelity data.

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

- Good fundamental understanding of Material Science, Physics, and Electronics
- Hands-on experience with laboratory equipment and trouble shooting
- Creativity and attention to detail,
- Experience with electronics circuitry and test equipment
- Good written and oral communication skills