



## CapeSym, Inc.

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### **SUMMER INTERNSHIP**

**Semiconductor and Scintillator Crystal Growth** – The successful candidate can become involved with all or some of the tasks described below. Work in a team lead by a Senior Scientist or Engineer to design and build purification and crystal growth stations, and participate in the design and conduct of experiments. Work involves handling of high purity materials in a glovebox, design and fabrication of intricate process equipment with quartz, and operation of high temperature furnaces. Fabricate test devices from produced materials and test their radiation detection performance.

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

- Good fundamental understanding of Material Science, Chemistry, or Physics
- Hands-on experience in equipment building and trouble shooting
- Creativity and attention to detail,
- Experience with wet chemistry, clean room operation
- Good written and oral communication skills