

## **Senior Product Engineer**

Lelantos is a tech startup revolutionizing the field of gas sensing by developing a new generation of Internet-of-Things compatible gas sensors for high value monitoring applications targeted to environment and air quality monitoring, threat detection and medical diagnosis. We are looking for a passionate, highly motivated scientist to join our fast growing team in New York City, working on cutting edge sensing technologies that enable a safer, healthier and more sustainable world. We are recruiting candidates who have demonstrated leadership and excellence throughout their careers and are excited by the prospect of tackling challenging, boundary-pushing technical problems. This is a unique opportunity to enter a high-growth startup company where you can make a major contribution to meaningful decision making at the leadership level and significantly impact the culture of the team we are building. Above all, we're looking for the right person with skills and talent to grow the company together all while enriching your professional and scientific experience.

### **Responsibilities & Duties**

- Designs and builds experimental testing setups
- Characterizes gas sensor performance
- Develops scalable manufacturing processes for integrating sensing materials
- Designs, synthesizes and characterizes gas sensing materials (e.g. sorbents)
- Researches emerging gas sensing technologies
- Leads the development of novel gas sensing technologies
- Presents at conferences and expos, interacts directly with customers

### **Required Qualifications & Skills**

- MS in Electrical, Chemical Engineering, Chemistry, Material Science, or Physics
- 2+ years of hands-on lab work experience in a research oriented environment focused on testing electronic hardware components, material synthesis and characterization, interfacing measurement tools using Matlab/Labview
- Organized, with great attention to detail, a high level of problem solving and troubleshooting skills

### **Preferred Qualifications & Skills**

- PhD in Electrical, Chemical Engineering, Chemistry, Material Science, or Physics
- Design, fabrication and testing of semiconductor devices with focus on gas/chemical sensing
- Surface chemistry, sorbent synthesis and characterization
- Materials characterization methods (e.g. ellipsometry, XRD, XPS, SEM, AFM, TGA)
- Microfabrication techniques (e.g. PVD, CVD, ALD)
- Multiphysics simulations (e.g. Comsol, Ansys)

### **Salary & Benefits**

- Competitive salary
- Meaningful stock ownership
- Flexible working hours
- Friendly environment and culture
- Health insurance
- Flexible paid time off

### **Additional Info**

- Eligibility: Must be able to work without sponsorship
- Location: On site