



Semiconductor Process Engineer

About Us: Lumiode is a semiconductor technology startup focusing on next-generation microdisplay technologies. In particular, we are targeting our high-brightness, high-efficiency microdisplays for both display and non-display applications in commercial, industrial, automotive, and consumer markets. Our technology combines the realm of micro-LEDs and silicon thin film transistors to provide a scalable display solution to reach market demands.

Location: New York, NY

Position: We are looking for a Semiconductor Process Engineer with experience in device fabrication in a clean room environment. You will be responsible for running and troubleshooting semiconductor processes. These processes will be performed in multiple clean rooms, requiring detailed attention to process quality. You should enjoy working with your hands and operating equipment. We want someone who is self-motivated and a quick learner. Both full-time and part-time considered.

Requirements:

BS in Electrical Engineering with 2 years of work experience (the usual equivalent areas of study will be considered: Materials Science, Physics/Applied Physics, Chemistry/Chemical Engineering, and Mechanical Engineering).

General experience managing large sample sets and safely working with wet chemicals (acids and solvents).

Knowledge of clean room processes including photolithography, metal deposition, PECVD deposition, dry and wet etching of films.

We're looking for a team member who is highly motivated, a quick learner, able to work both independently and on a team, able to excel under pressure and shifting timelines, and eager to learn and experiment.

Bonus points:

MS in Electrical Engineering or equivalent

Hands-on clean room and semiconductor fabrication experience

Experience in transistor device fabrication and testing

Experience in LED device design, fabrication and testing

How to Apply:

Simply email us a resume and a cover letter including a description of previous labs/clean rooms that you have worked and the processes that you have performed or maintained. Tell us a little about yourself and why you're interested! careers@lumiode.com