

Job Description: Lead Process Founding Engineer

Company: Stealth-Mode Hardware Startup

Location: Berkeley, CA (Hybrid / utilizing local cleanroom facilities)

Role Type: Full-Time

About the Project

We are a well-funded hardware startup developing next-generation 3D display tech. We are seeking a Lead Process Engineer to own the fabrication pipeline from prototyping to final integration.

The Role (0-to-100 Ownership)

As the Lead Process Engineer, you will be the sole owner of the optical fabrication process. You will take theoretical CAD models of micro-optical arrays and turn them into polymer sheets bonded to glass substrates.

Key Responsibilities

Nanoimprint Fabrication (NIL) - Materials Engineering - Mold Management - Surface Chemistry - Metrology & QA

Required Qualifications

MS, PhD, Post-Doc in Materials Science & Engineering, or a closely related field.

Experience with photopolymers, photoresists, and UV curing systems.

Experience with fabricating micro-structures.

Preferred Qualifications

Local Facility Access: Active or recently active user status at the UC Berkeley Marvell NanoLab or LBNL Molecular Foundry.

Display/Optics Background: General understanding of spatial light modulation, index-matching, and waveguide/display optics.

How to Apply: Please send one paragraph about yourself and of your cleanroom fabrication experience to **267-432-8518**.