About Redwood Materials

Redwood Materials is an innovative sustainability company that was founded in 2017. Our mission is to develop and deploy new technologies and services for dramatically increasing the scope and scale of recycled materials in global supply chains.

Metallurgical Engineer Role

We are seeking an entrepreneurial Metallurgical Engineer to work with our research and development and engineering teams from the lab scale furnace to full production process design and operation. These teams are focused on creating and deploying innovative chemical, metallurgical and mechanical technologies that dramatically increase the yield of existing recycling processes for key waste streams.

As with any startup company, projects and tasks will vary, but primarily include: (i) setting up and managing our in-house metallurgical lab; (ii) conducting sample testing, pilot-scale research projects, and experiments for new processes; (iii) supporting and leading design and modelling of metallurgical aspects of new manufacturing processes, including the creation of detailed process flow documentation; and (iv) assisting with setup, testing, and debugging of new processing operations.

The position is full-time and located in Milpitas, CA (San Francisco Bay Area).

Desired Qualifications

- B.S. or M.S. with 5+ years of experience or Ph.D. with 3+ years of experience in metallurgical engineering, metallurgy or related discipline
- Track record of achievement with a leading technology company in a metallurgical engineering role, preferably with new process development
- Hands-on experience with building and guiding a metallurgical lab from scratch, including with gas- and induction-furnace melting and casting operations, and major assay techniques
- Academic or professional background in non-ferrous and precious metals
- Exposure to factory modeling concepts such as material flows, yields, and recovery rates
- Working knowledge of major metallurgical and process analysis software packages
- Highly self-motivated, entrepreneurial mindset
- Rockstar collaborator with a willingness to contribute at all levels of the organization
- A passion for sustainability and making the world a better place!

Application Process

If this sounds like you, please send an updated resume and email describing your interest to recruiting@redwoodmaterials.com.