



**At Miroculus our mission is to advance science
and improve lives, faster, together.**

Electrical Engineer II

Miroculus is looking for a motivated, hands-on, and analytical Electrical Engineer II with a strong R&D background to help us develop and build our novel digital microfluidics platform.

About Miroculus

Miroculus uses proprietary digital microfluidics technology to automate and miniaturize the most complex genomic protocols such as NGS library prep, synthetic biology, cell editing, and combinatorial chemistry, in a compact, user-friendly system. Our vision is to make the most complex protocols easy and accessible to scientists everywhere.

Position Summary:

- Bring up of PCBAs - circuit testing
- Automated data gathering
- Analysis and presentation of test results
- Documentation of test results
- Support existing prototypes
- Identify and perform necessary rework / modifications
- Creatively tackle challenges to support the success of this novel technology

This position reports to the Engineering Manager



Requirements:

- Bachelor's degree in Electrical Engineering
- 3+ years of industry experience
- Circuit design and analysis experience (Electronics)
- Circuit debugging experience
- Expertise with lab equipment (e.g. oscilloscope, power supplies, function generator, multimeter)
- Experience with MATLAB -- simulation, analysis, automation, plotting
- Expert knowledge of soldering and other rework skills
- Knowledgeable component selection based on industry standards

Strong plus:

- Master's in Electrical Engineering
- Medical/Laboratory device experience
- Altium proficiency (Library creation, schematic design, layout)
- Signal processing and digital filtering knowledge
- Knowledge of international electrical safety standards (e.g. IEC 61010)
- Design of schematic and layout experience

Location: San Francisco, California

Applicants should send a cover letter and resume to jobs@miroculus.com

Miroculus believes that diversity is a competitive advantage, that everyone has the ability to make an impact, and we are proud to be an equal opportunity employer committed to providing employment opportunity regardless of sex, race, creed, color, gender identity or expression, religion, marital status, domestic partner status, age, national origin or ancestry, physical or mental disability, medical condition, body size or shape, sexual orientation, pregnancy, military or veteran status, citizenship status, and genetic information.