

Engineering Technician

Job Reference: ET
Posted: September 2021

Location: Carlsbad, CA
Weekly Hours: 40

The Role

DNA Electronics (DNAe) is a dynamic company integrating cutting edge sequencing technologies with novel biochemical techniques to create a revolutionary sample-to-answer sequencing platform. We are seeking a strong individual to contribute to the DNAe team. The right candidate will be self-starting, detail-oriented, and able to work as part of a multi-disciplinary team.

Responsibilities:

- Perform experiments and procedures in accordance with guidance from supervisor or from written protocols including fabrication, inspection, and metrology, as well as testing and troubleshooting of components and instruments
- Documenting, reporting, and presenting results of experiments and procedures
- Assembly of small parts, management of small part builds (10-100 per week)
- Testing fluidic components for pressure, flow, and other performance parameters
- Detecting and troubleshooting fabrication failures with consumables
- Creating and following work instructions and Standard Operating Procedures (SOPs) as required by ISO 13485:2016 quality management systems
- Ability to navigate the ambiguities inherent in development projects (flexible with changing timelines, ability to multi-task and balance workload of multiple projects at the same time)
- Completing of routine activities within the laboratory and workshop including equipment maintenance
- Point of contact for third-party manufacturing partner to ensure quality of consumables received – manage day-to-day communications and work collaboratively and iteratively to improve builds and maintain existing documentation
- Input into manufacturing and assembly methods for future designs based on on-the-job observations and experience and any past experience if applicable
- Other duties as assigned



Person Specification

We are looking for people with a passion for their work - people who strive for exceptional results, but who can deliver pragmatic solutions on time. DNA Electronics' scientists and engineers enjoy and thrive on working in an interdisciplinary team but can also work independently and use their own initiative. The ideal candidate also likes to contribute to solving problems outside their field of immediate expertise and is an effective communicator.

Education:

- B.S. in Bioengineering, Mechanical Engineering or other relevant fields; OR
- 3+ years industry experience in life sciences, mechanical workshop, physical test laboratory, medical or precision industry manufacturing

Required Qualifications & Experience:

- Diligence and attention to detail
- Excellent communication skills and ability to communicate, understand, and navigate technical ambiguity
- Commitment to helping the team achieve deliverables and meet aggressive timelines
- Product Development experience including testing, verification activities, generating documentation, and product technical transfer preferred
- Excellent organizational and project management skills
- Excellent organizational and time management skills
- Experience performing technical quality control following standard operating procedures.
- Practical experience in rapid prototyping techniques (e.g. CNC milling, 3D printing, laser cutting, plastic bonding techniques)
- Experience testing sealed fluidic plastic parts
- Experience testing on both small volume and high-volume manufacturing lines
- Experience working in a wet lab or ideally BSL-2 environment
- Knowledge about measurement tools and instrumentation (metrology)
- 3D CAD design (Solidworks preferred) basics
- Competency with Microsoft Office Suite (MS Word, Excel, PowerPoint)



Preferred Qualifications & Experience:

- Diagnostics or consumables manufacturing or QC inspection experience
- Specific work experience in medical devices or pharmaceutical regulated environment (i.e. ISO 13485) desired
- Experience with Lean/Six Sigma methods.
- Ability to interpret GD&T
- 3D CAD design (Solidworks preferred) proficiency
- Experience with issue-tracking platforms such as Jira or Trello

Location

DNA Electronics Inc., Carlsbad, CA

Apply

If you believe you meet the above criteria and would relish playing a key role in developing a revolutionary technology, we would be delighted to hear from you.

We offer a competitive compensation package to successful candidates.

Please email your CV and cover letter to: HR-US@dnae.com quoting

Your name and the job title in the subject line.

For more information about DNAe, please visit our website www.dnae.com

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