

Senior Product Development Engineer

at Tendo Technologies Inc.

Job Type: Full-time, In-office



About Us

Tendo is a rapidly growing, venture-backed technology company based in Princeton, New Jersey, transforming how liquids and gases are measured and dispensed. We are commercializing innovative semiconductor-based sensing and fluid dispensing technologies based on Princeton University research that enables extremely accurate flow measurement and control for on-demand formulation dispensing applications, at a fraction of the cost of competing technologies.

Tendo is launching its first commercial products soon and is currently under contract with several multinational companies to develop solutions that will transform their business using our game-changing sensor platforms.

We are now working to deliver sensors to our customers as we scale into production. At the same time, we are developing new products to further extend our range of applications and capabilities.

About the Role

As a member of the Tendo engineering team, you will be responsible for bringing to market the latest in flow sensing technology. You will work on a small team of dedicated engineers working collaboratively to move better and faster by utilizing the latest in engineering tools and processes. Our collaborative efforts extend to working and communicating effectively with those outside engineering including the rest of the Tendo team; contractors and vendors domestic and foreign; and a diverse array of clients, investors, and advisors.

Tendo is proud to have an open and collaborative atmosphere, a flexible and creative working culture, as well as a bright and forward-thinking team. Engineers who join our team will enjoy significant autonomy in a modern and technically focused company.

As a Senior Product Development Engineer, you will help Tendo build and develop current products with several existing corporate customers as well as designing and developing new

concepts and prototypes. You will also support Tendo's research, manufacturing, and quality operations by designing and producing jigs, fixtures, and internal tools. One of your biggest responsibilities will be relentlessly driving product development projects forward.

Minimum Qualifications

- Bachelor's degree in Engineering, Product Design, or equivalent practical experience
- 5 years of professional experience with mechanical engineering and/or product design or equivalent post graduate academic experience
- Significant experience with 3D CAD tools such as SolidWorks, Inventor, or Fusion 360
- Experience with complex mechanical design of plastic or metal components, PCBs, electronics, or fluidics used in commercial products
- Experience building things or doing science by hand in a lab, machine shop, prototype shop or similar
- Experience with at least one advanced mechanical engineering design topic including: sensors and sensor systems, microchip integration and packaging, machine design, robotics, automation, or FEA simulation
- Ability to communicate clearly to non-experts such as clients or contractors

Preferred Qualifications

- Master's degree in Mechanical Engineering or Product Design
- Knowledge of programming languages such as Python
- Having led a commercial product through a product development cycle to market release and beyond
- Ability to independently lead an engineering project
- Experience with 3D CAD surfacing and design for injection molding

Responsibilities

- Complex part and assembly design and development including: concept development, CAD design, analysis, technical drawing, vendor selection and communication, and full engineering responsibility for a project up to and beyond product release
- Sensor research and development including: experiment design and setup, and data collection and analysis

- Build prototypes, test setups, and jigs and fixtures using hand and power tools, 3D printers, lab equipment, and electronic instrumentation in person in our lab space
- Clearly communicate engineering results in both in person and virtual team meetings and regular customer updates including occasional travel