

Job title: Mechanical Engineer

Company: NODAR Inc.

Type: FULL-TIME

Location: Boston, MA, USA

NODAR Inc., a MIT-alumni startup, is seeking an Electrical Engineer in support of Autonomous Vehicle 3D Sensor Solutions. This position will be located with our team in Boston, MA.

#### POSITION SUMMARY:

NODAR Inc. is building next-generation solid-state 3D sensors for the automotive market and needs a Mechanical Engineer to help us design, optimize, evaluate, test, and perfect the mechanical and machine vision systems. The ideal candidate is a bright, self-motivated individual that can quickly adapt to a fast moving industry, thinks outside the box, can quickly execute engineering tasks with little guidance, foresee problems before they manifest, and excited about building automotive-grade sensors.

The Mechanical Engineer's primary responsibilities will include:

- Machine vision, computer vision, algorithm development. Must be good at writing code and have a deep mathematical foundation.
- Mechanical solid modeling of enclosure, heatsinks, optics, and circuit boards. Designing and implementing an automotive grade package. Electrical and mechanical design development needs to be tightly co-developed.
- Programming. Python, C/C++. Familiar with modern software tools such as Git, Docker, Virtual Machines, and comfortable writing code.
- Ensuring efficient use of resources
- Interfacing with suppliers, vendors, and partners

The successful candidate will:

- Report to the Head of Engineering
- Need to work independently
- Take initiative to explore, learn, and implement innovative technologies within the business in order to improve the products
- Consistently deliver projects on-time with quality
- Travel as required, up to 15%

#### QUALIFICATIONS:

- M.S. or M.Eng. and 5 years of related experience, or Ph.D.
- Proven track record of successful technical success
- Ability to use engineering tools and programming languages to effectively complete projects
- Ability to quickly learn new things, and work comfortably in a constantly evolving environment.
- Work effectively with a cross-functional team

The ideal candidate will have experience in

- Optics and laser systems
- 3D sensors
- Startup environments
- Experience working directly with the automotive community
- Experience with machine vision and computer vision
- Experience with fabrication

If you are interested, please submit a cover letter and resume to [info@nodarsensor.com](mailto:info@nodarsensor.com) and indicate your availability for a call.

#### NODAR OVERVIEW:

NODAR is an early-stage tech startup and manufacturer of 3D sensors to take every car to Level 5 autonomy. Headquartered in Boston, Massachusetts, NODAR is located in a hub of innovation, vitality, and activity. For more information, visit [www.nodarsensor.com](http://www.nodarsensor.com).