



Navitas Semiconductor, Inc.

Job Description:

Title: **Application Engineer**

In Office /Remote: /Hybrid

Exempt / Non-exempt

Based: Torrance, CA

Job Purpose:

Navitas Semiconductor (Nasdaq: NVTS) is a next-generation power semiconductor leader driving innovation in gallium nitride (GaN) and high-voltage silicon carbide (SiC) technologies. Our products enable faster, more efficient power delivery across AI data centers, high-performance computing, energy and grid infrastructure, and industrial electrification.

With more than 30 years of combined expertise in wide bandgap technologies, GaNFast™ power ICs integrate GaN power, drive, control, sensing, and protection, delivering faster power delivery, higher system density, and greater efficiency. GeneSiC™ high-voltage SiC devices leverage patented trench-assisted planar technology to provide industry-leading voltage capability, efficiency, and reliability for medium-voltage grid and infrastructure applications.

We are seeking an **Application Engineer** to join our fast-growing, collaborative team. The ideal candidate is self-motivated, energetic, and able to thrive in a high-growth, innovative environment, contributing directly to technologies that are shaping the future of power electronics.

Key Responsibilities and Duties:

- Support high-voltage semiconductor testing and characterization of SiC MOSFET devices, including DPT, SOA, basic short-circuit and ruggedness testing.
- Assist in designing power electronics schematics and PCB layouts for evaluation boards and test hardware, with focus on proper isolation, creepage/clearance, and measurement accuracy.
- Build, bring up, and validate EVAL boards for internal testing and customer demonstrations.
- Run device-level and system-level simulations using tools such as PLECS and SIMetrix.
- Perform hands-on lab work, including measurements with oscilloscopes, probes, power analyzers, and electronic loads.
- Support development of application notes, test reports, and internal documentation.
- Provide technical support to FAEs and internal teams as part of customer enablement activities.
- Collaborate with R&D, product marketing, quality, and operations teams on customer programs and product development.



Knowledge, Skills, Abilities, and Other Characteristics (KSAO's)

- 2+ years of experience in power electronics, semiconductor applications, or related lab work.
- Solid understanding of SiC MOSFETs, gate drivers, and isolation techniques.
- Familiarity with power electronics schematics and PCB layout concepts.
- Exposure to power topologies such as PFC, LLC, DAB, or DC/DC converters is a plus.
- Working knowledge of PLECS and/or SIMetrix for power converter simulations.
- Hands-on experience in a power electronics lab environment is preferred.
- Willingness to learn high-voltage testing practices and safety procedures.
- Good written and verbal communication skills.

Required Qualifications

Basic

- Degree in Electrical Engineering or a related field.
- Hands-on experience in high-voltage power electronics and semiconductor applications

Preferred

- Proven experience in high-voltage semiconductor testing and characterization
- Strong knowledge of power electronics topologies used in server and AI data center power systems.

What We Offer

- **A front-row seat to the future of power electronics.** Work on cutting-edge GaN and SiC technologies that are transforming AI data centers, electrification, and global energy infrastructure.
- **A fast-paced, high-energy environment.** We move quickly, make decisions with purpose, and empower employees to take ownership and drive real impact from day one.
- **A team that shows up and delivers.** We care deeply about our mission, our customers, and each other. We collaborate, support one another, and bring intensity and accountability to everything we do.
- **Full support to succeed.** You'll have access to leadership, cross-functional collaboration, and the resources needed to innovate and execute at a high level.
- **Competitive total rewards.** Comprehensive health, dental, and vision coverage, unlimited PTO, and a competitive compensation package including base salary, performance bonus, and equity awards.

Base Salary Range:

\$90,000 - \$130,000 depending on experience