



NVHR133

Manager of Application Engineer Job Description

Navitas Semiconductor is a high-growth, well-funded tech start-up seeking an application engineer to build applications of our industry-leading GaN power ICs. The ideal candidate will enjoy a fast-paced, high-growth environment working on leading edge power semiconductor technologies.

Navitas has created the world's first & fastest GaN Power ICs which are enabling a new class of fast charging, miniaturized and energy saving power supplies for everything from mobile chargers and LED lighting to solar inverters and electric vehicles. Navitas was founded in 2013 by a highly experienced management team with the backing from tier 1 venture capitalists and is located in the heart of Los Angeles, CA.

- Innovative thinker for new architecture, topologies and ICs. Generate patents and IPs to improve power supply efficiency and density
- Broad knowledge of market trends and opportunities for GaN power devices in AC/DC high voltage applications
- Ability to create reference designs for customers
 - a. Worked with high frequency GaN power converters
 - b. Create magnetic component(transformer) designs
 - c. Manufacture oriented PCB/system layouts
 - d. Run simulations in LTspice, Simplis, Matlab, and Ansoft FEA
 - e. Experience in safety, EMI, thermal, and 3D packaging
 - f. Fluent in English speaking, writing and reading.
- Knowledge of power semi devices (MOSFET, HEMT or similar etc) - behavior, performance, specifications GaN (or wide band gap) experience and knowledge desired
- Good communication skills and attention-to-detail
- Ability to multitask within and across different projects
- Must be currently located in Taiwan
- EE degree in Power Electronics is required, master degree is preferred, but not a must.
- >10 years of hands-on experience in power electronics and AC/DC power supply designs.
- Enable to lead 3-5 persons in the AE team to coordinate design support to customers.
- Projects using GaN design experience is preferred,
- Familiar with different topology of controllers(CCM,CRM,ACF,QR..) and how they work with GaN.