



Engineering Opportunities (Permanent Hires and Internships)

Electrical Engineering

Our electrical engineers develop industrial monitoring and diagnostic systems applying high-speed digital design and analog front-end signal processing. Our engineers develop embedded system designs ranging from 32-bit microprocessors, field programmable gate arrays, digital signal processors and analog to digital converters. A variety of communication interfaces are applied using both traditional industrial and proprietary protocols. They are often called upon to understand hazardous area certifications and design requirements, electromagnetic compliance design techniques and industrial applications of a wide variety of sensing technologies and solutions.



Computer Engineering

Numerous challenging opportunities exist at GE Bently Nevada for Computer Engineers interested in real-time embedded system development. Typical systems employ real-time embedded operating systems and perform: signal processing, data acquisition, event processing, data management and communication functions. Engineers are responsible for all aspects of project development ranging from system-level design and requirements analysis through code development and testing. Our firmware development is based on object-oriented techniques and associated languages (C++).

Mechanical Engineering

The role of a mechanical engineer includes packaging of industrial monitoring and diagnostic systems as well as sensor design and concurrent manufacturing process development. Responsible for generating the overall form-factor and robustness of the product, our mechanical engineers often must accommodate product esthetics, ergonomic and other human/operator interface considerations. Challenges include packaging sensitive electronics for harsh industrial environments and balancing design constraints with manufacturing process requirements. Design approaches include integral electronics construction/mechanical packaging techniques (over molded probe tips, potting encapsulation), injection molded and die cast component design as well as sheet metal and machined part generation.



Software Engineering

We develop everything from n-tier networked data collection systems to artificial intelligence expert systems. We also do high-level GUI programming to low-level code and a lot of cool stuff in between. We use the latest in software design methodologies and programming languages. As part of our team, you get to experience it all from design to implementation and beyond.

System Validation & Test Engineering

Validation Engineers have opportunities in new product development, existing product sustaining and support, and test engineering as well as new application development including small-scale, short-cycle custom design tasks that leverage existing standard product platforms. Validation engineers develop automated tests that ensure product quality, decrease the product development time and ensure that the product continues to meet user requirement throughout the development cycle. The engineers develop a good system level understanding and low-level understanding of the embedded system to ensure the requirements of the product are met.

Manufacturing Test Engineering

Supporting the on-site production floor, our Test engineers come from the Computer Science, Mechanical and Electrical engineering disciplines.

Using the latest in product test development techniques and equipment, Test Engineering works within the product development process to develop seamless automated test capabilities for emerging Bently Nevada products. Test capabilities exercise product capabilities at the board, module and system levels, and interface with the company-wide business system to seamlessly record and document test results for both in-plant use as well as for export to end-use customers.



Bently Nevada Products

Asset Condition Monitoring solutions arise from a 50 year legacy of world-class technology in machinery protection of critical and essential assets. They are directed at assessing the mechanical condition of rotating equipment found in machinery-intensive industries such as oil & gas production, hydrocarbon processing, and electric power generation. Products include sensors that span a variety of technologies, rack-based and portable monitoring systems as well specialized diagnostic systems. Software products process and present the vast amount of data collected, and include high-end decision making capabilities.

University of Nevada, Las Vegas (UNLV) Recruiting Visit

GE Bently Nevada will be on campus for UNLV's Career Fair. We are looking for BSEE, BSME, BSCS, and BSCMPE graduates and pre-graduate for Full-time employment.

Information Session

An Information Session will be held at

**5:00 pm, Tuesday February 28th in
Thomas Beam Engineering
Building A - Great Hall**

Please attend to learn more about what we do, and who we are. Pizza and drinks will be provided. (We will also be at the Career fair on Wed the 22nd.)

On Campus Interviews

Feb 23rd, From 8am -5pm (Full-Time Positions) in the Taggart Student Center - **Please contact us after the Information session for a possible appointment or simply visit us at the career fair.**

Daniel Abawi
(775) 215-1106
Daniel.abawi@ge.com

Employment Requirements:

- Unrestricted Legally authorized to work in the United States
- Pre-employment drug screen
- Background check
- Min 3.00 GPA (highly desired)

Bently Nevada Headquarters – Minden, Nevada

GE Bently Nevada is located in Minden, Nevada which is part of the beautiful Carson Valley. The Carson Valley is a rural environment consisting of the communities of Minden, Gardnerville and Genoa. It is located in Douglas County, which is home to approximately 50,000. It is situated 20 minutes east of Lake Tahoe, 15 minutes from Carson City, and 50 minutes south of Reno. The area enjoys a favorable climate, limitless outdoor recreation, quality schools, and a healthy tax environment. Higher education opportunities are available at the University of Nevada, Reno and Western Nevada College.



The Carson Valley is surrounded by tremendous outdoor recreation possibilities. Activities include downhill and cross country skiing, snowshoeing, road and mountain biking, boating, water skiing, sailing, hiking, camping, rock climbing, off road recreation, soaring, hang gliding, and golf among others. The Heavenly Ski resort is a 15-minute drive from the valley with Kirkwood resort and Mount Rose resort 45 minutes away. Other local ski resorts include Sierra at Tahoe, and Diamond Peak. The Lake Tahoe Basin and the Pine Nut mountains provide easy access to hundreds of miles of mountain biking trails. GE is a corporate sponsor of the annual Death Ride, a 129 mile road bike race that consists of

15,000 feet of climbing and covers five mountain passes. In addition to Lake Tahoe, and the Tahoe Basin the area has numerous lakes and camping areas all within an hour drive or less.

GE's facility in Minden, Nevada is located in a state of the art 286,000 square foot facility. It is home to business and engineering offices, and engineering laboratory/research space. Additionally, it houses a complete manufacturing facility with three surface mount PWA lines, a transducer manufacturing floor, a plastics injection molding shop, a complete machining and sheet metal shop, a Circuit Board Assembly Center of Excellence, Customer Applications Center and a Remote Diagnostics center as well as electrical testing and validation centers. There is also an electrical cabinet/project assembly shop, a customer witness test floor, and two NIST metrology labs on site. Building amenities include: A full-service Cafeteria, serving breakfast and lunch, that has been recognized as a bench mark for other GE operations for quality of service and healthy meal options. An on-site Fitness Center that provides an opportunity for employees, spouses and dependents to maintain a healthy lifestyle at an on-site facility. The center includes several varieties of cardio and weightlifting equipment, including free weights. Employees are encouraged to take advantage of the different fitness and yoga classes that are offered. Bently Adventures-an outdoor recreational CO-OP offering outdoor equipment check-out for employees. Available equipment includes Camping, backpacking gear in addition to kayaks, kayaking equipment, and other fishing and water recreation equipment. Also featured are an assortment of bicycles, skis/snowboards, ski related equipment and other snow recreation equipment. A Health and Wellness Center that has a full service office staffed with a Nurse Practitioner. The center is for use by employees, and offers health education and consultation, immunizations, laboratory tests, physical exams, health screening, and occupational medicine services.



Learn and Explore More

<http://www.youtube.com/user/bentlynevadainfo>

Why Bently Nevada?

<http://www.youtube.com/watch?v=o9e6g4p7N80>

About GE Bently Nevada

http://www.youtube.com/watch?v=-S6XvK3VeX8&feature=c4-overview&list=UUIQZ9kju4N5k_A4UjhAhs4w

Bently Nevada: From the beginning

<http://www.youtube.com/watch?v=mEKqMcemgBw>

The Silver State – GE

<http://www.youtube.com/watch?v=tYkFiYDuljA>

An insider's look at the re-engineered System 1

<http://www.youtube.com/watch?v=v67OORT4K5g>

GEEnergy-CustomerCenterVirtualTour- Final - 60 Second.mp4

http://www.youtube.com/watch?v=YksxYGVKmjS&feature=c4-overview&list=UUIQZ9kju4N5k_A4UjhAhs4w

Nevada Energy on Essential Insight.mesh

<http://www.youtube.com/watch?v=eWlshF1ovdQ>

