Technical Support Technician 3 (TST3):

The Technical Solutions Center is a fast-paced, dynamic environment with a strong customer focus, offering the right candidate the opportunity to build on current strengths, acquire new skills, and be a member of a highly impactful team. As a global healthcare provider, Siemens offers a wealth of growth opportunities for motivated individuals.
Our ideal candidate will exhibit initiative to learn and demonstrate technical expertise in clinical laboratory applications as well as the electro-mechanical ability needed to troubleshoot diagnostic laboratory instruments, automation, or middleware over the phone. Must possess strong computer skills and be able to communicate effectively over the phone, and through written documentation.
Candidate must display a positive attitude with both internal and external customers, striving to exceed expectations at all times. Candidate must be a selfless team player and enthusiastic proponent of change.

Be able to make sound decisions that promote the interests of both Siemens and the customer.
Preferred candidate must have Associate's or Bachelor's degree in a science-related or engineering field, or equivalent experience. The position has a strong preference to be based in the (Glasgow, DE facility, Norwood Massachusetts facility) however, we will also consider exceptionally qualified candidates that are field-based.

- Provides technical telephone support to customers and internal business partners with a strong focus on customer satisfaction
- Achieves customer satisfaction through appropriate troubleshooting, timely follow-up and customer soft skills
- Accurately document and communicate complaints within Siemens Healthcare Diagnostics regulatory and departmental guidelines
- Demonstrates a high level of technical expertise in clinical laboratory practice while supporting (specify product line(s)) systems. Uses highly technical solutions to troubleshoot complex issues with proficiency
- Leverages team abilities to best serve the customer, and collaborates with team members and counterparts in other parts of the organization to develop and implement action plans to resolve customer issues
- Appropriately escalates customer issues to next level support and help drive timely resolution
- Communicates critical customer account activity to field teams to ensure a consistent response to customers
- Creates an open and supportive environment, and demonstrates enthusiasm and commitment to Siemens Corporate and Technical Solutions Center goals
- Exhibits characteristics and behaviors which support Siemens Mission, Vision and Values

Job Family Responsibilities:
- Participates in semi-complex product support to customers remotely or on-site Participates in disseminating semi-complex product knowledge. Provides support in recommending products for customers with semi-complex product needs to product design group. Participates in coordinating new product introductions as they relate to product support.

Education:
- Associates degree or 1-2 years of vocational technical training preferred. HS diploma or equivalent required. Specialized skill training/certification may be required.

Knowledge and Experience:
- Demonstrates comprehensive working knowledge of a technical or specialty area, and of operations, methods, and practices. Generally, 2-5 years of successful experience in area of responsibility and successful demonstration of Key Responsibilities and Knowledge as presented above.

Key Working Relationships:
- Primarily intra-organizational contacts and limited external contacts.

Senior Data Scientist:

Siemens Healthineers is looking for talented individuals destined to usher in the next era of healthcare. We live in a moment of remarkable change and opportunity. The advent of digitized patient records being utilized to drive better care, understand complex patients for the purpose of driving better outcomes is here today. New roles are being created that never existed before to meet the demands of this transformation.

The Data Scientist will work with the Professional Services team designing and developing advanced analytics solutions. Having the ability to understand healthcare business requirements, design an efficient and effective solution that enables actionable technical delivery steps is a key requirement. You must develop expert knowledge of the Siemens Healthineers product portfolio and use this knowledge to deliver high quality analytics solutions for Siemens Healthineers Customers. You will work with a growing and dynamic team that requires wearing multiple hats and multi-tasking across Customer solutions and internal initiatives. This role will serve as a key contributor in delivering actionable and business enhancing analytics solutions.

Responsibilities:
- Lead the design and development of complex data-driven operational and business solutions, as well as predictive model-based solutions for Healthcare delivery systems
- Ensure developed solutions drive key performance metrics for Healthcare Customers
- Creation of Customer-specific predictive modeling solutions
- Become an expert on Siemens Healthineers business processes, applications and associated data structures
- Serve both internally to Siemens Healthineers and externally to Customers as the trusted advisor across analytics, data mining and big data intelligence
- Stay current and knowledgeable to market technology ensuring most effective and efficient solutions for Siemens Healthineers Customers
- Effectively build relationships, collaborate and partner with Healthcare institutions, as well as internally with x-functional teams

Competencies & Capabilities:
- Understanding of analytics and statistics, machine learning and data modeling
- Conceptual and analytical problem solving skills; pragmatic implementation to organizations
- Knowledge and experience in working with claims and clinical data
- Self-starter, self-motivated, high level of initiative within a fast-paced, constantly evolving Healthcare environment
- Result focused, ability to solve complex problems and resolve conflicts in a timely manner
- Communicates and presents effectively; ability to communicate with Customers' C-level, and with internal Management
- Eagerness and ability to learn new concepts and analytical approaches
- Entrepreneurial spirit, passion for Digital Health Services
- Ability to travel to Customer sites (up to 25%)

Experience & Education:
- Strong background in datasets and deep analytics within Healthcare industry
- Population Health experience a plus
- Experience with analytics programming tools, such as Python, R, or SAS
- Experience with BI tools, such as Qlikview, Tableau, or Microsoft BI
- Start-up or Incubator experiences a plus
- BS/BA in Medical Informatics, Applied mathematics, Computer Science or related field
- 7+ years in Healthcare Technology in a technology discipline
- 5+ year in in Engineering or related role
- 2+ years of data analytics, mining and big data intelligence

Solution Architect:

Siemens Healthineers is looking for talented individuals destined to usher in the next era of healthcare. We live in a moment of remarkable change and opportunity. The advent of digitized patient records being utilized to drive better care, understand complex patients for the purpose of driving better outcomes is here today. New roles are being created that never existed before to meet the demands of this transformation.

The Solution Architect is responsible for designing Siemens Healthineers Population Health solutions based on a comprehensive understanding of Customer needs, integration requirements and budget. This position requires extensive knowledge and experience with big data platforms and data aggregation IT Infrastructures. The Solution Architect will collaborate with the Clinical Transformation Consultant in designing an end to end Customer solution, as well as work with the rest of the implementation team in implementing a value-based solution to achieve the Customer's strategic business objectives.

Responsibilities:
- Works closely with the pre-sales team in receiving the sales handoff at the technical architect level. This role is to then take that technical handoff and lead the technical delivery of Siemens Healthineers solutions enabling the desired customer outcomes
- Leads finalizing the foundational solution design through on site detailed discovery sessions post contract signature. The end state solution design will enable actionable technical implementation requirements. Serves as the technical lead within the Professional Services implementation team
- Manages technical risks to effective and efficient mitigation strategies
- Ensures technical coordination for 3rd party partners, as well as internal cross-functional teams
- Demonstrate thought leadership in Healthcare Digitalization across multiple channels and become a trusted advisor to Customer decision makers
- Stays current and knowledgeable to market technology ensuring most effective and efficient solutions for Siemens Healthineers Customers
- Be an active participant with internal process improvement leading to a more efficient implementation process and the best possible Customer experience
- Support creation of customer-specific Statement of Work (SOW)

Competencies & Capabilities:
- Proven ability to drive complex technical implementations to successful outcomes working through business, technical and people challenges
- Experience or ability to indirectly manage others within a project team environment (matrix environment) – ability to lead technical resources carrying out technical tasks of the implementation
- Knowledge and experience in working with claims and clinical data
- Understanding of general medical terminology
- General understanding of the patient encounter life-cycle from patient registration through discharge
- Self-starter, self-motivated, high level of initiative within a fast-paced, constantly evolving Healthcare environment
- Result focused, ability to solve complex problems and resolve conflicts in a timely manner
- Communicates and presents effectively; ability to communicate with customers' C-level, and with internal Management
- Entrepreneurial spirit, passion for Digital Health Services
- Ability to travel to customer sites (up to 40%)

Experience & Education:
- BS in computer science, engineering, or related field
- 5+ years EHR/EMR technical implementation, integration and/or technical support experience
- Understanding of big data platforms, the varying complexities of aggregating data from differing technology stacks within cloud storage platforms
- Familiarity with components such as patient registries and record locator services
- Advanced analytical and problem solving skills
- Proven experience in Database design and development
- Population Health experience preferred; knowledge is required

Technical Implementation Engineer:

Siemens Healthineers is looking for talented individuals destined to usher in the next era of healthcare. We live in a moment of remarkable change and opportunity. The advent of digitized patient records being utilized to drive better care, understand complex patients for the purpose of driving better outcomes is here today. New roles are being created that never existed before to meet the demands of this transformation.

The Technical Implementation Engineer is responsible for implementing Siemens Healthineers solutions based on Customer integration requirements and long-term strategic goals. This position requires knowledge and experience with data platforms and data aggregation tools. The Technical Implementation Engineer will collaborate with the Solution Architect in delivering the necessary technical integrations needed to implement a comprehensive solution that delivers Customer value and attains the Customer's strategic objectives.

Responsibilities:
- Works closely with the Solution Architect, as well as directly with the Customer, in confirming solution requirements and leading subsequent technical delivery efforts
- Drives configuration and testing activities of the Siemens solution
- Perform detailed analysis of Customer data and design, implement associated data pipelines
- Manages technical risks to effective and efficient mitigation strategies
- Stays current and knowledgeable to market technology ensuring most effective and efficient solutions for Siemens Customers
- Be an active participant with internal process improvement leading to a more efficient implementation process and the best possible Customer experience
- Support creation of customer-specific Statement of Work (SOW) as needed

Competencies & Capabilities:
- Ability to drive technical integration projects to successful outcomes working through business, technical and people challenges
- Understanding of data platforms, the varying complexities of aggregating both clinical and claims data from different technology stacks
- Working knowledge of SQL database structures and queries
- Programming experience with high level applications
- Understanding of general medical terminology
- General understanding of the patient encounter life-cycle from patient registration through discharge
- Self-starter, self-motivated, high level of initiative within a fast-paced, constantly evolving Healthcare environment
- Result focused, ability to solve complex problems and resolve conflicts in a timely manner
- Effective written and verbal communication skills to both technical and non-technical audiences
- Ability to work effectively both under minimal supervision and in close contact with teammates and/or Customers
- Entrepreneurial spirit, passion for Digital Health Services
- Ability to travel to Customer sites (up to 20%)

Experience & Education:
- BS in computer science, engineering or related field
- 3+ years within the Healthcare technology implementation, integration and/or technical support domain
- Population Health experience preferred; knowledge is required

Software Engineering Intern

Position Overview:
We are seeking an undergraduate student who has an interest in the technical side of modern healthcare systems.

The opportunities of this internship include:
- Exposure to healthcare industry workplace and associated required processes
- Hands-on experience with computer software, computer hardware and/or mechanical hardware of diagnostics laboratory informatics and automation systems.

In this role, the intern will be part of a small team of software developers and engineers working with informatics and laboratory automation systems.

Responsibilities:
The intern will be responsible for:
- short-term projects related to computer infrastructure
- short-term projects related to software development
- troubleshooting of issues related to laboratory informatics systems
- troubleshooting of issues related to laboratory automation systems

Required Knowledge/Skills, Education, and Experience:
- Currently enrolled in a university pursuing an undergraduate or master's degree in Computer Science, Software Engineering, Mechanical Engineering or a related field.
- Able to work well in a team and independently
- Enthusiastic and eager to perform well
- No travel is required for this position

Preferred Knowledge/Skills, Education, and Experience
- Knowledge and experience with some or all: C#, C++, SQL, Windows Operating System and administration, Computer hardware, MS Excel, MS Project desired

Reliability Engineering Intern

Summary:
Perform testing and/or characterization on systems and sub-assemblies to support the reliability plan for new product development projects. Generate data using a variety of statistical techniques and test platforms.

Essential Duties and Responsibilities:
 include the following, however other duties may be assigned.
Review data and perform analysis of results in accordance with reliability protocol. Tabulates and graphs as needed.
Prepare for and attend Reliability Analysis Team meetings and investigate TFS Database records when requested.
Assist in lab housekeeping. Maintain system log sheets and maintenance logs in compliance with applicable protocols.
Comply with all applicable quality system requirements and prepare for internal and external audits.
Adhere to all applicable industry and government standards regarding safe handling of biohazardous materials and comply with all company safety policies. Use required Personal Protective Equipment at all times. Report potentially unsafe conditions.
Complete all compulsory job, EHS and quality system training.
Assist in writing and reviewing testing protocols and K-Brief Reports as required.
Perform additional research and development study protocols and other duties as required by the reliability manager.
Competencies: To perform the job successfully, an individual should demonstrate the following competencies:
Analytical - Collects and researches data; Uses intuition and experience to complement data.
Problem Solving - Identifies and resolves problems in a timely manner; Gathers and analyzes information skillfully; Works well in group problem solving situations.
Technical Skills - Assesses own strengths and weaknesses; Pursues training and development opportunities; Strives to continuously build knowledge and skills; Shares expertise with others.
Customer Service - Responds promptly to internal customer needs; Meets commitments.
Oral Communication - Speaks clearly and persuasively in positive or negative situations; Listens and gets clarification; Responds well to questions; Demonstrates group presentation skills; Participates in meetings.
Written Communication - Writes clearly and informatively; Edits work for spelling and grammar; Presents numerical data effectively; Able to read and interpret written information.
Cost Consciousness - Works within approved budget; Develops and implements cost saving measures; Conserves organizational resources.
Diversity - Demonstrates knowledge of EEO policy; Shows respect and sensitivity for cultural differences.
Ethics - Treats people with respect; Keeps commitments; Inspires the trust of others; Works with integrity and ethically; Upholds organizational values.
Organizational Support - Follows policies and procedures; Completes administrative tasks correctly and on time; Supports organization's goals and values.
Judgment - Displays willingness to make decisions; Exhibits sound and accurate judgment; Supports and explains reasoning for decisions; Includes appropriate people in decision-making process; Makes timely decisions.
Motivation - Demonstrates persistence and overcomes obstacles.
Planning/Organizing - Prioritizes and plans work activities; Uses time efficiently.
Professionalism - Approaches others in a tactful manner; Reacts well under pressure; Treats others with respect and consideration regardless of their status or position; Accepts responsibility for own actions; Follows through on commitments.
Quality - Demonstrates accuracy and thoroughness; Looks for ways to improve and promote quality; Applies feedback to improve performance; Monitors own work to ensure quality.
Quantity - Meets productivity standards; Completes work in timely manner; Strives to increase productivity.
Adaptability - Adapts to changes in the work environment; Manages competing demands; Able to deal with frequent change, delays, or unexpected events.
Attendance/Punctuality - Is consistently at work and on time; Arrives at meetings and appointments on time.
Dependability - Follows instructions, responds to management direction; Takes responsibility for own actions; Keeps commitments; Commits to long hours of work when necessary to reach goals.; Completes tasks on time or notifies appropriate person with an alternate plan.
Initiative - Asks for and offers help when needed.
Innovation - Meets challenges with resourcefulness; Generates suggestions for improving work.

Qualifications To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education and/or Experience
College Study in an Engineering Discipline minimum of two years.

Language Skills
Ability to read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals. Ability to write routine reports and correspondence. Ability to speak effectively before groups of customers or employees of organization.

Mathematical Skills
Ability to work with mathematical concepts such as probability and statistical inference. Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations.

Reasoning Ability
Ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists. Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.

Computer Skills
To perform this job successfully, an individual should have knowledge of Database software; Internet software; Spreadsheet software and Word Processing software.

Other Skills and Abilities
Basic medical laboratory skills

Other Qualifications
Flexible work schedule

Physical Demands The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. While performing the duties of this job, the employee is frequently required to stand; use hands to finger, handle, or feel; reach with hands and arms and talk or hear. The employee is occasionally required to walk; sit and stoop, kneel, crouch, or crawl. The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, color vision, peripheral vision, depth perception and ability to adjust focus.

Work Environment The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. While performing the duties of this Job, the employee is frequently exposed to moving mechanical parts and toxic or caustic chemicals. The employee is occasionally exposed to wet and/or humid conditions; fumes or airborne particles; extreme cold; extreme heat; risk of electrical shock and vibration. The noise level in the work environment is usually moderate.

Computer Science Intern

Position Overview
Siemens Healthineers is seeking a highly motivated, rising Computer Science senior to join its Automation and Informatics Platform Engineering team in Cary, NC. Is computer science more than just a career path for you, is it also a passion? Have you contributed to an open-source projects or created software on your own like a mobile app? Do you read industry-related material to keep current? Are you looking to get experience working on an enterprise software product at a pioneering, innovation-driven company? If so, Siemens would like to speak with you about a future together!

Responsibilities
Outline the specific responsibilities and deliverables associated with the role. These are the tasks that must be carried out by the person in this job. The bullets should be informative, detailed and succinct (5-10 bullets in total).
- Overall responsibility - what will the person have to accomplish in this role
- Details of very specific job tasks and functions

Required Knowledge/Skills, Education, and Experience
- **Primary skills**: OOP (e.g. C#, Java); web development (e.g. javascript, Angular); unit testing frameworks (e.g. NUnit); Source control (e.g. TFS, SVN)
- **Secondary skills/Nice to have**: mocking frameworks (e.g. MOQ); WPF; database knowledge (e.g. SQL)
- **Extra credit**: Knowledge and familiarity with medical devices and clinical laboratories.

Qualified Applicants must be legally authorized for employment in the Unites States. Qualified Applicants will not require employer sponsored work authorization now or in the future for employment in the United States.

Industrial Design Intern

Position Overview:
The Design Intern will work as part of the Siemens Healthineers Industrial Design team developing next generation medical diagnostic analyzers and systems. The Industrial Design Group is a part of User Interaction Design within the Global Engineering Organization. This position reports to the ID Manager and is located in Tarrytown, NY

Responsibilities
The Industrial Design intern will utilize their creative and technical skills on a wide range of design/development assignments and related activities including:
- Build full scale prototype mock ups using foam core and 3D printed parts for usability and ergonomic studies, to evaluate functional layouts, volume studies and cover design concepts
- Develop design concepts and solutions for products and product features using a variety of media and tools from hand sketches to 3D CAD models
- Compile design research including creating visuals to support industry trends, ergonomic data, Interaction Design analysis, etc.
- Assist designers to generate product color studies and product graphics (branding and labeling artwork) using graphics software
- Support designers with converting CAD data to use with the Virtual Reality tool for prototyping concepts to evaluate design, user and service access
- Collaborate with designers and cross functional team members including UX, Interaction Design, Graphic Design, Mechanical Engineering and Marketing

Required Knowledge/Skills, Education, and Experience
- Junior or Senior level full time student with a program study in Industrial Design working towards a Bachelors or advanced degree
- Basic software experience: Microsoft Office tools (Word, Excel, PowerPoint)
- 2D Software Proficiency: Adobe Suite
- 3D Software Proficiency: Solidworks or NX, Rendering: Keyshot
- Exposure and knowledge of rapid prototyping (3D Printing, SLA, CNC, etc.)
- Hands on model making skills using foam core materials for mock ups
- Strong presentation abilities using sketches and renderings (Using Wacom digital sketch tablet)
- Good understanding of design methodology
- Excellent verbal and written communication skills
- Comfortable and quick to learn new software programs and procedures
- General understanding of functional mechanisms and manufacturing processes
- Passionate about design, creative problem solving and communicating concepts/solutions
- Provide link to portfolio samples

Qualified Applicants must be legally authorized for employment in the United States. Qualified Applicants will not require employer sponsored work authorization now or in the future for employment in the United States.

Preferred Knowledge/Skills, Education, and Experience
- Experience using 3D Studio Max rendering program
- Interest and experience with python programming
- Experience working as a design intern in a professional environment
- Provide link to portfolio samples

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UI Design Intern:

Position Overview
- Working under the direction of the User Interface Designer to develop software user interface features
- Increase development staff productivity by building a library of assets for a high-fidelity prototype using Axure, WPF, or HTML

Responsibilities
- Assist in the creation of High-Fidelity prototypes using Axure, WPF, or HTML
- Coordinate and participate in user experience evaluations

Required Knowledge/Skills, Education, and Experience
- Current college student
- 4 years of experience building applications, websites or similar
- Required knowledge of:
  - HTML/HTML5
  - JQuery/JavaScript
  - Image Creation / Manipulation
- Preferred Program Experience:
  - Dreamweaver
  - Adobe Creative Suite
  - Microsoft Office

Preferred Knowledge/Skills, Education, and Experience
- Preferred knowledge of:
  - Database queries
  - Prototype Building (High-fidelity)
- Preferred Program Experience:
  - SQL / Access DB
  - Axure
  - WPF

Engineering Intern in Systems Engineering (New Product Development)

Position Overview:
The Siemens Healthineers Lab Diagnostics Systems Engineering organization is focused on the development of automated medical devices for in vitro diagnostic (IVD) working with infectious diseases, oncology, cardiac markers, fertility testing, thyroid function, clinical chemistries and other clinical applications. From an engineering standpoint these medical devices rely on precision mechatronics, robotics, fluid delivery systems and thermal controls to allow for the accurate and precise reporting of patient assay results.

The Systems Engineering team is responsible for the integration, design space characterization, and verification of immunoassay, clinical chemistry and sample handling systems for all new lab diagnostic development projects. With a strong product ownership mindset, the System Engineer influences systems architecture, design and reliability in the product development process. In performing these responsibilities, the System Engineer bridges all the disciplines of design engineering to assay development and ensures a system's overview of product development. System Engineers have been hired by our organization from a broad range of formal engineering and educational backgrounds spanning biomedical, chemical, mechanical, electrical, and computer engineering.
This Engineering Intern position is open at our Flanders, New Jersey site. The Systems Engineering organization will also have Engineering Intern positions open at our other two sites at Tarrytown, New York and Newark, Delaware.

Responsibilities of the System Engineering Intern in New Product Development
With direction and mentorship from Senior Engineers, the Engineering Intern works closely with Systems Engineering team members to learn immunoassay and clinical chemistry subsystem and higher level overall system functionalities. Specifically, the Engineering Intern's responsibilities include:

Design Characterization & Feasibility
- Assist in design and execution of experiments to study the feasibility and impact of various subsystem and system design options and to characterize critical design parameters and their boundaries.

Problem Solving
- Assist in the solution of complex technical issues by troubleshooting, determining root cause, and then proposing design modifications.

Integration & Verification Testing
- Support the creation of test plans and protocols to effectively test designs
- Assist in the evaluation and analysis of system design and assay performance test data
- Review system & assay performance test data and compare to established acceptance criteria.
- Write clear data-driven technical summaries and test reports.

Desired requirements:
- Completion of 2nd or 3rd year of engineering studies
- Strong understanding of engineering fundamentals
- Strong verbal and written communication skills
- Learning mindset
- Ability to work independently and as part of integrated cross-functional team

Mechanical Engineering Intern

Position Overview
- This role will introduce a candidate to the fundamentals of instrument development within Siemens Healthineers.
- The candidate will work closely with a senior engineer to understand customer requirements and design solutions that meet the market need
- This is an entry level position reporting to an Mechanical Engineering Manager with the Lab Diagnostics Business

Responsibilities
- Design simple to moderate parts and assemblies with CAD (NX)
- Perform tolerance analysis of simple assemblies under the guidance of senior engineer
- Help create test plans and design test fixtures for the purpose of design evaluation
- Participate in technical design review
- Participate in Vendor Selection

Required Knowledge/Skills, Education, and Experience
- Required Education: HS Diploma, Working towards a degree in mechanical or mechatronics engineering
- Required past experience : none
- Required Travel: 5%
- Basic understanding of 3D modeling

Qualified Applicants must be legally authorized for employment in the United States. Qualified Applicants will not require employer sponsored work authorization now or in the future for employment in the United States.

Preferred Knowledge/Skills, Education, and Experience
- Experience with Siemens NX
- Experience with part fabrication
- Experience with mechanical simulation tools (Matlab, Ansys, Simulink)

Mechanical Engineering Intern

Position Overview
Participate in and/or conduct testing of mechanical systems prototypes. Gain experience in the creation and execution of engineering test plans and data collection and analysis. Review and assess mechanical drawings of components and assemblies. Collaborate with and support the engineers in their testing and design efforts.

Responsibilities
Create and/or review test plans of complex mechanical systems
- Support the assembling and tuning of complex test setups
- Support test plans execution
- Participate in the collection of data and in their analysis, create test reports
- Participate in the review and analysis of mechanical drawings of components and assemblies
- Support and participate in the debugging of mechanical prototypes
- Participate into the identification of design improvements

Required Knowledge/Skills, Education, and Experience
- Education required: high school diploma and 1 year of engineering education
- Academic majors: Mechanical engineering
- Technical skills: basic knowledge of MS Excel and MS Word, basic knowledge of mechanical engineering concepts and of manufacturing processes experience with 3D CAD software, coursework in mechanics, materials science, fluid dynamics, heat transfer

Preferred Knowledge/Skills, Education, and Experience
- Hands on experience in running mechanical test fixtures
- Experience with sensors and data acquisition electronics, e.g. data loggers, thermistors, encoders
- Previous experience with the creation of mechanical drawings
- Coursework in: strength of materials, thermodynamics, fluid dynamics, statistics, dynamics

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Electrical and Computer Engineering Intern

Position Overview
Siemens Healthcare Diagnostics is currently seeking a 2019 summer electrical and computer engineering intern to support its research and development of our in vitro diagnostic instruments. This individual will explore new technologies and support wide range of design, development and test from the digital and analog electronic circuits to computer and network used in the instruments.

Responsibilities
- Design, perform design verification on and troubleshoot digital, analog electronic circuits
- Write embedded test code in C, collect test data and perform data analysis
- Perform system model simulation
- Develop low complexity PC Board assemblies and test fixtures.
- Develop test firmware/scripts for automated testing of assemblies.
- Perform integration testing of new hardware with thorough documentation of test results
- Work with engineers, write and release engineering documents
- Complete special projects as needed and other duties as assigned

Required Knowledge/Skills, Education, and Experience
- Actively enrolled in a degree program focused on Electrical and Computer Engineering
- GPA of 3.0/4.0 or better
- Experience with digital/analog circuit, microcontrollers and embedded programming
- Experience with high level programming languages and IDE
- Hands-on experience with soldering and circuit testing
- Work independently as well as strong teamwork, interpersonal and communication skills
- High level of skill in decision making, problem solving and analytics
- Integrity, accuracy, dependability, enthusiasm and confidentiality
- No travel is required for the position

Preferred Knowledge/Skills, Education, and Experience
- Aptitude and passion for digital and firmware design
- Knowledge with LabView and/or Mathlab
- Experience with Raspberry PI or Arduino
- PCB design experience
- Knowledge of asynchronous communication protocols
- Programming ability for test automation
- Familiarity with engineering tools and test equipment

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Database Engineering Intern

Responsibilities
- Act as a database engineer in an R&D group.
- Primary responsibilities include providing support for Database engineering work.
- Work directly to Database development Technical lead.
- Work with a team of 4 database engineers and 10 Devops engineers.
- Write Code (SQL and other scripting/programming languages)
- Install uninstall Software.
- Automate manual procedures.
- configure and set up monitoring tools.
- Build and develop internal tools.
- Write Technical documentation.

Required Knowledge/Skills, Education, and Experience
- Problem solving and troubleshooting
- Database programming
- Scripting Powershell or other scripting languages
- Openness and ability to learn new tools and technologies.

Qualified Applicants must be legally authorized for employment in the United States. Qualified Applicants will not require employer sponsored work authorization now or in the future for employment in the United States.

Software Intern

Position Overview
- Assist in day to day activities related to software middleware product verification
- Assist in Automation, Informatics and Platform Engineering product testing
- Assist in systems integration of Informatics Software, Medical Diagnostics Instruments and Automation Systems
- Analyzing lab automation workflows
- Develop code for scripts (DevOps), tools for trouble-shooting
- Assist in consolidating/streamlining regression test suites

Responsibilities
- Exposure to enterprise level software project activities
- Participation in key software test analysis activities
- Exposure to modern software verification process, technologies and architectures: Testing with Simulators/Instruments, Automated Test Frameworks, Log playbacks, Databases, Servers etc.
- Exposure to some of the latest software test frameworks/tools: Team Foundation Server, MTM, Visual Studio, etc.
- Exposure to multiple modern OS systems: Windows Server 2012/2016, Windows 8/10, Ubuntu Linux, Red Hat Linux
- Exposure to Data Analytics: Qlik
- Exposure to programming/scripting language i.e. C#, SQL Scripts, TestComplete

Required Knowledge/Skills, Education, and Experience
Outline exactly what knowledge/skills, education, and experiences are required to be considered for this position.
- Rising Senior
- Working towards Engineering or Computer Science BS

Configuration Engineering Intern

Position Overview
Seeking an Engineering Intern to help release and maintain engineering BoM's for new products throughout the lifecycle of the instrument including planning for release of BoM's to manufacturing. In this role, the Engineering Intern will be working with the Configuration Engineer to assist with maintaining control of the product. This position reports to the Sr. Engineering Manager of Configuration and Release Engineering.

Responsibilities
- Work with Con figuration Engineer to establish and maintain product data structures in PLM tools
- Work with Con figuration Engineer to establish and maintain engineering BoM's for product design work package deployment
- Work with Con figuration Engineer to plan for configurations during both development (engineering prototypes) and commercialization

Required Knowledge/Skills, Education, and Experience
- Matriculated in a Bachelor's Degree program in Mechanical Engineering or related discipline
- Has completed a course in CAD (Solidworks, NX, etc.)

Software Development Intern

Position Overview
Is Engineering more than just a career for you, is it also a hobby?
Do you wish to contribute to making healthcare more efficient?
Have you found someone who has an idea and helped them to build it?
Have you read any recent industry-related books?
Do you love a challenging problem, but don't mind getting your hands dirty on more routine development work?
Would you like to work in a creative & challenging environment where you can deliver on your potential?
If so, Siemens would like to speak with you!

Responsibilities
- Assist in day to day activities related to software middleware product development
- Assist in design of performance test automated testing framework
- Develop code for automated performance test scripts
- Assist in software scalability assessment activities
- Evaluate and analyze results various performance data
- Develop new features for system performance analysis tool

Required Knowledge/Skills, Education, and Experience
- Exposure to enterprise level software project activities
- Participation in key software assessment activities
- Multiple programming/scripting language exposure i.e. C#, Perl, Python, Bash, HTML, Java Script
- Exposure to modern software deployment technologies and architectures: Virtualization, Automated Test Frameworks, Hot Backup, Databases, Servers etc.
- Exposure to some of the latest software development frameworks/tools: Visual Studio, Eclipse, TFS, SVN, VMware Workstation, VMware vSphere etc.
- Exposure to multiple modern OS systems: Windows Server 2012/2016, Windows 8/10, Ubuntu Linux, Red Hat Linux

Education
- BS/MS - Engineering field, Computer Science, Computer Engineering, Systems Engineering, Bio-Medical Engineering

PLM Engineer Intern

Position Overview
This Sr. PLM Applications Engineer would report directly to the Head of PLM Systems, Tools, & Infrastructure and be part of the engineering service department which supports an 800-person global engineering organization across US, Europe,and Asia

Responsibilities
- Lead projects
- Business process analysis and use cases elicitation
- Facilitate workshops with SMEs/Stakeholders and gain buy-in
- Use case backlog prioritization and knowledge transfer to external development team
- Verification and User Acceptance Testing
- Test Plan and Test Case Development
- Work with lean teams in different geographical location (domestic and international)
- SW Tool support
- SW Tool administration
- Train users as needed
- Status reporting and escalations to senior management
- Drive continuous improvement

Required Knowledge/Skills, Education, and Experience
- Bachelor's Degree in Engineering/IT/PLM or related discipline
- Min 5 years of work experience in PLM domain that includes Teamcenter BOM/BOP/MPP , SAP/T4S interfaces etc
- Min 8-10 years of total work experience related to product development
- Proven ability to work in a team environment
- Project management
- Domestic and International travel required (~20%)
- Self-starter and results oriented

Preferred Knowledge/Skills, Education, and Experience
- Master's Degree in Science/Engineering or related discipline
- 10+ years of work experience in the PLM domain that includes Teamcenter BOM/BOP/MPP, SAP/T4S interfaces etc
- Solution Architecture experience
- Experience in implementing PLM capabilities i.e., Multi-BOM Management, BOP/MPP/BOR, Change Management, Release Management etc.
- NX CAD experience