ENGINEER 1

Posting ID: EM195284EB
Company: PDS Tech
Position Type: Full-Time
College Major(s): Electrical/Computer Engineering (EE/CpE), Computer Science (CS)

Company Website: https://pdstech.jobs/
Work Location: San Jose, CA
Salary: DOE
College Level(s): Alumni

OVERVIEW

Creates, plans, and performs a variety of software analysis, design, development, code, documentation, integration, test and product assurance tasks. Contributes to the development of engineering design models and develops programs to enhance, implement and support project/system functionality for the assigned technical effort. Ensures technical outcomes are consistent with established engineering principles and practices and that customer and company technical, system, performance, and quality requirements are met.

Roles and Responsibilities

- Performs basic engineering design, development, analysis, experimentation, test and/or product assurance tasks of limited complexity for assigned portions of a project. Ensures tasks meet cost, quality, schedule, and performance requirements.
- Applies basic engineering design and/or analytical theory, principles, techniques, and practices to a limited portion of a technical project.
- Develops and writes technical documentation, makes revisions to existing documentation, and provides input to technical papers or presentations.
- Performs basic technical analysis, testing, calculations, and evaluation of results using specialized equipment and/or by computer programs.
- Analyzes and interprets design specifications, drawings, documentation, models, and/or test results to ensure technical designs comply with applicable engineering standards, military specifications and product requirements.
- Develops and maintains effective relationships with customers to solve technical problems and implement solutions of limited complexity.
- Acquires and maintains up-to-date knowledge of relevant engineering discipline(s), industry practices, trends, and applications.
- Maintains a safe work environment and ensures compliance with safety policies and rules.
- Shares responsibility of self-development with immediate supervisor.
- Entry level knowledge of fundamental concepts, practices, and procedures of a relevant technical field of specialization.
- Familiarity with current computer applications and technologies in applicable engineering
disciplines.
- Ability to solve basic technical design and development problems.
- Ability to develop and maintain effective relationships with customers to solve technical problems.

**Education and Qualifications**
- Required education: Bachelors Degree in Computer Science, Computer Engineering or Electrical Engineering.
- Minimal Experience. School Projects
- Exceptional communication (verbal and written) skills
- Entry level knowledge of fundamental concepts, practices, and procedures of a relevant technical field of specialization
- Familiarity with current computer applications and technologies in applicable engineering disciplines
- Ability to solve basic technical design and development problems
- Ability to work independently and as part of a team
- Understanding of software design, development and testing principles
- Working knowledge of the software development and maintenance life cycle -
- Ability to develop and maintain effective relationships with customers to solve technical problems
- C++ and/or Java programming language
- Familiarity with Linux/Unix Operating System
- Familiarity with Bash, Perl, Python scripting languages

**Preferred Skills**
- Familiarity with embedded systems
- UML modeling, experience with UML modeling tool
- Object Oriented design and development experience
- Familiarity with DOORS
- Familiarity with CMMI
- Familiarity with military and commercial design standards
- Experience using JIRA, Bitbucket, Git, Confluence configuration management and problem reporting tools
- Knowledge of data communication busses including Ethernet, CAN, RS-232/422
- Ethernet and CANbus troubleshooting
- National Instruments products including Labview, Multisim, VeriStand, TestStand
- Design, implementation and/or support of high fidelity software simulation models for system integration laboratory, hardware integration laboratory, and real-time test environments
- Systems and software requirements analysis including requirements writing and specification generation
- Development of supporting documents such as software requirements for test systems, user manuals, tools documentation, and software validation documentation

**How to Apply**
https://pdstech.jobs/san-jose-ca/eng-i-sw/4B37D6BB8894E7884C8F8232C0E6031/job/?utm_campaign=Symplicity&utm_medium=XMLFeed&vs=5082&utm_source=Symplicity-DE

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