Careers at Host Engineering, Inc.
"Find Your High Technology Career in the Highlands of Tennessee!"

Software Engineer (C++)
Program World-Class Automation Software

Minimum qualifications:
- Bachelor's degree in Computer Science, Engineering, Math, or Science discipline, similar technical field of study or equivalent practical experience.
- Experience with C++ preferred. Experience with one or more general purpose programming languages including but not limited to: C++, C#, Objective C, Java, Python, or JavaScript considered – again, preferably C++.
- Knowledge of Microsoft Visual Studio, C++/MFC Document/View architecture, and Dialog-based Windows User Interface development.
- Experience working with two or more from the following: Windows programming, MFC (Microsoft Foundation Classes), web application development, Unix/Linux environments, mobile application development, distributed and parallel systems, machine learning, information retrieval, natural language processing, networking, developing large software systems, and/or security software development.
- Working proficiency and communication skills in verbal and written English.

Beneficial qualifications, skills and experience:
- Master's, PhD degree, further education or experience in Engineering, Computer Science or other technical related field.
- Strong software design and development skills
- Ability to work in a small team to develop the User Experience for a large IDE application for a broad range of users
- Working knowledge of control theory
- Experience designing fault tolerant software
- Thorough knowledge of computer architecture and networks
- Knowledge of math, electronics, physics, PLCs, RLL, automation control concepts
- Strong skills in debugging, performance optimization and unit testing
- Creative approach to problem solving
- Ability to work effectively in a dynamic environment with changing needs and requirements
- Ability to work independently and in a team, take initiative, and communicate effectively
- Ability to develop new functionality from low level features to high level architectures
- Ability to diagnose and enhance pre-existing code
- Interest and ability to learn other coding languages as needed.

About The Job:

Host Engineering is honored to serve as a Valued Technology Resource for the AutomationDirect Federation of Companies. As a member of Host's Engineering Team, you will Design, Create, Code and Build innovative Automation solutions. We believe that in addition to hiring the best talent, a culture based on servant leadership and integrity leads to the creation of better products and services that keep our Customers smiling!

As a Software Engineer (C++), you will work with a team of Software Engineers (C++) to create world-class automation programming software for the next generation. You will engage with other Software and Hardware Engineers at Host Engineering, as well as with the AutomationDirect Marketing Team to discover the needs of our Customers. You will help to define the Graphical User Interface (GUI), then design, develop, code and test the highly reliable software that our Customers will use to program their automation applications. You will be responsible for the complete life cycle of the software you create, from development to testing to operation.

Industrial Automation experience is not required to be successful - rather we look for smart, motivated, collaborative engineers who love solving problems and want to make an inspiring impact on the world.

Our Software Engineers develop next-generation technologies that simplify how our Customers create applications to solve their automation needs. We're looking for engineers who bring fresh ideas from all areas, including GUI (Graphical User Interface) design, information retrieval, distributed computing, large-scale system design, networking and data storage, security, artificial intelligence, natural language processing, mobile; the list goes on and is growing every day. As a Software Engineer, you will work on a specific project critical to our needs as you and our automation business grow. We need our engineers to be versatile, display leadership qualities and be enthusiastic to take on new problems as we continue to push technology forward.

Host Engineering is and always will be an engineering company. We hire people with a broad set of technical skills who are ready to take on some of technology's greatest challenges. At Host, Engineers provide cutting edge software and hardware tools for automation developers around the world. Host Engineers seek to serve and save the world by providing Solutions Designed With Spirit...!

Host Engineering offers the excitement and challenge of a start-up company, plus the stability that comes with 25+ years in business. Find your high technology career in the beautiful Blue Ridge Smoky Mountain highlands of Tennessee...!

Host Engineering, Inc. is an equal opportunity employer offering competitive salaries, comprehensive health benefits, profit-sharing, employer-matched retirement savings program, paid-time-off, flexible hours, and more.

Responsibilities:
- Design, develop, test, deploy, maintain and improve software.
- Develop software for MDI-based applications on Windows GUI.
- Work with a small team to develop front-end of an IDE-type application for the industrial automation market.
- Maintain consistency of UX throughout the application, understand and develop common libraries.
- Develop highly reliable autonomous software systems
- Design and implement fault detection and mitigation in software

- ➢ Develop prototypes to prove out key design concepts and quantify technical constraints
- ➢ Own all aspects of software development, including design, testing, and mission integration
- ➢ Provide strong technical leadership, focus on continuous improvement
- ➢ Manage individual project priorities, deadlines and deliverables.

Apply For This Job:
To apply, please send the following to Resumes@HostEng.com:

1. Your Resume (and/or Transcripts for graduating students)

2. GPA's (Grade Point Averages: Undergraduate, Graduate, Doctorate)
3. Applicable Test Scores (SAT, ACT, GRE, GMAT)