Job Title: Software Engineer - New College Graduate – North Reading, MA

We are the global test and automation specialists, powering next-generation technologies through sophisticated solutions. Behind every electronic device you use, Teradyne’s test technology ensures your device works right the first time, every time! Our portfolio of automation solutions help manufacturers to develop and deliver products quickly, efficiently and cost-effectively. Together, Teradyne companies deliver manufacturing automation across industries and applications around the world!

Teradyne is a global technology company delivering progressive solutions to complex testing challenges. Without creativity and the diversity of thought, Teradyne’s technological innovations would not leave the ground. If you are excited at the prospect of joining a global team, that is both exciting and dynamic, then Teradyne may be the place for you!

Responsibilities

Teradyne is looking for adaptable software engineers to join a hardworking, engaging and collaborative team. As an individual contributor you will be involved in all aspects of software engineering. Working with cross functional teams to define, implement and test new features and functionality. The primary focus for our group is within the core services supporting IG-XL, Teradyne’s flagship tester software.

Supporting core services for our group runs the range of maintaining and extending existing functionality to developing entirely new components to integrate into IG-XL. To be successful in this role you will need to develop great skills in C# and C++, design and debug, as well as software testing. This role will also require you to be an excellent communicator both verbally and through documentation and writing.

In addition to working on IG-XL Core features our group has also been taking on more DevSecOps responsibilities. Our work here is to help ensure that the software engineering teams can develop efficiently. We place an emphasis on automation every step of the way as we strive to migrate our complex IG-XL toward realizing a true continuous integration / continuous delivery DevOps model.

Your responsibilities will include:

- Understanding customer requirements and finding solutions that fit within our existing software architecture
- Create robust designs with a focus on scalability, high performance and maintainability
- Discuss and review deliverables with your fellow team members and provide feedback
- Work with software verification engineers to devise an effective test strategy
- Tackle difficult problems and come up with innovative solutions
- Participate in brainstorming sessions and contribute ideas to improve our product, our process and our team
- Continuously learn new things and become a better software engineer

Basic Qualifications & Skills

- BSCS, BSCE, BSEE or equivalent
- 0-2 years experience with general software development experience with commercial applications
- Solid grasp of Object-Oriented Design and software data structures
• Understanding of core computer architecture concepts like multithreading, managing memory leaks, and analyzing performance of the software.
• Proficiency in OOD and some OO language (C++, C# preferred)
• You can clearly express your ideas and concepts both written and verbally
• Position is located at our North Reading MA office; selected applicant will be required to travel to and work from the office. Potential for hybrid work arrangement.

Desired Qualifications

• Knowledge of UML
• Experience with scripting languages (Python, Javascript, Perl as examples)
• Existing experience at Teradyne would be preferred but not required

This position requires employees to be fully vaccinated or subject to weekly testing for onsite access.
Job Title: Software Engineer (New College Graduate) Agoura Hills, CA

We are the global test and automation specialists, powering next-generation technologies through sophisticated solutions. Behind every electronic device you use, Teradyne's test technology ensures your device works right the first time, every time! Our portfolio of automation solutions helps manufacturers to develop and deliver products quickly, efficiently, and cost-effectively. Together, Teradyne companies deliver manufacturing automation across industries and applications around the world!

Organization & Role

Teradyne is a global technology company delivering progressive solutions to complex testing challenges. At Teradyne, we offer opportunity for immediate impact. We dig into our work and encourage feedback from every team member, regardless of age, education or experience. This means you have a platform to be recognized, while defining your own career path. Teradyne is fueled by creativity and diversity of thought. Our employees are challenged to innovate and learn something new every day. We operate in a fast-paced, exciting environment that encourages continuous exploration and pushes individuals to reach further! Our team is excited to change the face of technology by following their passions for new insights and strategies. Teradyne is a phenomenal place to develop expertise, build a career and challenge your imagination.

The Digital Software Engineering team in Agoura Hills CA is looking for a Software Engineer with passion for learning, developing high quality software, solving complex problems, and becoming part of a hard-working and innovative team. The ideal candidate is able to balance a variety of tasks related to requirements definition, software system design, development, testing, troubleshooting, and maintenance. Interacting with multi-functional teams from the product definition stage through product release, will be part of your day-to-day.

Responsibilities

In this role, the ideal candidate will:

- Work with experienced people across all functions and enjoy interacting with them
- Understand customer requirements and find solutions that fit within our existing software architecture
- Create Software Requirements Documents for new and existing features
- Create robust designs with a focus on scalability, high performance and maintainability
- Work with software verification engineers to devise, document and execute effective test strategies and plans
- Conceive and implement fully functional and high performing C# and C++ software solutions
- Discuss and review product features with your fellow team members and provide feedback
- Solve difficult problems and come up with innovative software solutions
Participate in brainstorming sessions and contribute ideas to improve our product, our process and our team

Document all software changes to facilitate a smooth transfer to Software Qualification and sustaining teams

**Basic Qualifications & Skills: The ideal candidate will have:**

- BS/MS in Computer Science, Computer or Electrical Engineering
- Some experience in .NET and C# development
- Some experience in C/C++ development
- Solid knowledge of data structures, algorithms, and operating systems
- Experience with developing in Visual Studio
- Experience in Design Verification automation
- Proficiency in OOD and OO language (C++, C#)
- Able to clearly express your ideas and concepts both written and verbally
- Take pride in the quality of work
- Internship experience preferred

*This position requires employees to be fully vaccinated or subject to weekly testing for onsite access.*
Job Title: Software Engineering Intern - Summer 2022 (LitePoint San Jose, CA)

Apply modern Data Analysis and AI technologies and development tools to search, categorize, filter, and visualize tens of thousands of operations. Operation details are extensively traced through a heavily multi-threaded multi-user measurement system. Goal is for multiple teams of signal processing, embedded FW, and applications SW to be able to use this information to visualize, correct, and optimize the design.

Requirements:

- Working towards Bachelor’s in Computer Science or Engineering or equivalent mix of education and experience.
- AI, Machine Learning, and Data Analysis course work completed by beginning of summer start date.
- Hands-on experience with development tools to include Python and data visualization.
- Desire to learn complex heavily multi-threaded SW systems.
- Demonstrated interest in AI and Machine Learning development.
- Ability to collaborate and communicate effectively in a small engineering team.

Must be available to work on site during the Summer of 2022

This position requires employees to be fully vaccinated or subject to weekly testing for onsite access.