

Position Summary

Title	Applications Engineer
Team	Product Engineering
Location	Montreal
Employment Type	Permanent

Job Description

As an Applications Engineer at Introspect Technology, you will join a select group of highly skilled professionals, and you will be responsible for the integration of our equipment into our Tier-1 customers' SerDes test environments worldwide. You will also assist in the development and debug of automated test programs for such environments, and you will become an indispensable technical expert in the area of high-speed test and measurement. Possessing exceptional communications and public speaking skills, you will deliver training courses and demonstrations to mixed-signal and high-speed digital product engineers, and you will constantly interact with customers who are at the forefront of high-speed and mixed-signal technology.

This position offers a unique opportunity to work at a rapidly growing global company and to serve leading edge technologies such as MIPI, PCI Express, USB, GPON, as well as other telecom interfaces. It also offers a highly rewarding opportunity to participate in our customer success stories related to their new SerDes-based product introductions. Additionally, successful candidates have the potential to become technological spokespeople, representing Introspect's innovative solutions at major industry events.

The ideal candidate is a driven, self-motivated, and highly cooperative top performer who thrives in a flexible engineering environment. The ideal candidate also possesses characters of good judgment, communication, and eagerness to learn and adapt, and he/she is very helpful to his/her peers.

Responsibilities

- Act as the technical representative for the customer, providing prompt technical support on opportunities or issues raised by customers or sales and marketing representatives;
- Provide intimate knowledge of Introspect's tools to our user base, and liaise with Introspect's R&D team on unique customer requirements and/or opportunities;
- Develop and debug custom test procedures based on the Python programming language;

- Define and architect SerDes and signal-integrity test solutions, clearly indicating how the solutions result in various functionality that is required by the customer applications;
- Create and document test Methods of Implementation for modern high-speed standards such as MIPI, PCI Express, USB, GPON, XAUI/CAUI, and so on with particular emphasis on signal integrity measurement and optimization techniques;
- Contribute to product collateral review of all products (datasheet/errata/etc.);
- Provide training and guidance as needed on products and roadmap strategies to sales representatives in support of generating new business;
- Define the appropriate test strategy for a unit under test and prepare detailed test requirements;

Qualifications

- Only self-motivated and highly cooperative top performers will be considered for this position;
- Bachelor's degree in Electrical Engineering, Computer Science or related field;
- 5 years of experience in the design, test, characterization, or debug of mixed-signal electronics systems;
- Experience in high-speed SerDes characterization and signal integrity is required;
- Demonstrated problem solving and troubleshooting skills;
- Experience in dealing with customer support channels;
- Knowledge of high-speed instrumentation used in the advanced test applications (oscilloscopes, waveform generators, network analyzers);
- Meticulousness combined with excellent organizational skills to achieve quality, cost and delivery objectives;
- Rigor: possesses a strong sense of organization, detailed execution in order to achieve quality, cost and delay objectives;