QUINTESSENT

JOB OPENING: Photonic Test Engineer

About us:
Modern computing applications such as large-scale A.I. are bottlenecked by the available data movement bandwidth. The computing infrastructure needed in the future will be even more bandwidth starved due to the pace of growth and proliferation of such applications. Quintessent is developing future-proof connectivity solutions to solve the data movement bottleneck. Our team comprises of technology pioneers and serial entrepreneurs with a long track record of entrepreneurial success at multiple past ventures. We are seeking talented and adventurous individuals to join us on our journey as fellow members of a stellar team.

Employment type: Full time

Responsibilities:
Core responsibilities include development, optimization, and execution of scalable test and analysis platforms to characterize optoelectronic semiconductor devices. The candidate will be interfacing closely with a team comprised of various functional areas including test engineering, design/layout, fabrication, and reliability. Responsibilities include:

- Developing test plans to evaluate device performance versus design intent
- Developing automated testbeds to capture high-fidelity measurement data in a timely manner
- Developing analysis scripts to quantify device performance as part of yield evaluation, failure analysis, and design verification
- Support the conversion of R&D characterization testbeds into high-volume test platforms

Qualifications:

- PhD degree in Physics, Applied Physics, Electrical Engineering, or a related field (or B.A. / M.S. with previous industry experience)
- A strong understanding of electronic circuit concepts with hands-on troubleshooting experience is required
- An understanding of optoelectronic devices and systems with hands-on trouble shooting experience is required
- Proficiency in scripted languages such as Python or MATLAB is required
- Proficiency in test automation and data analysis with programming languages such as Python or MATLAB is required
- Experience with high-speed S-Parameter characterization methodologies is desired
- Experience with high-speed optical link characterization is desired
- Excellent communication skills (verbal, written, and presentation)
- Ability to work independently in a fast-paced setting
- Fast learner and problem solver with a meticulous attention to detail and excellent communication skills

For more questions or to apply for the position, contact: hiring@quintessent.com