QUINTESSENT

JOB OPENING: Photonic Test Engineer (BS/MS)

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:
- Designing automated testbeds to capture high-fidelity measurement data for photonic integrated circuits and photonic devices such as lasers, modulators, photodetectors, MUX/DMUX, etc.
- 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

Required Qualifications:
- BS/BA/MS degree in Electrical Engineering, Physics, or a related field
- A strong understanding of electronic circuit concepts with hands-on troubleshooting experience
- Proficiency in scripted languages such as Python
- Ability to work independently in a fast-paced setting
- Fast learner and problem solver with a meticulous attention to detail and excellent communication skills

Desired Qualifications:
- An understanding of optoelectronic devices and systems with hands-on trouble shooting experience
- Experience in test automation and data analysis with programming languages in Python
- Experience with high-speed S-Parameter characterization methodologies
- Experience with high-speed optical link characterization

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