



Optical Engineering Student

Company Overview

KLA is a global leader in diversified electronics for the semiconductor manufacturing ecosystem. Virtually every electronic device in the world is produced using our technologies. No laptop, smartphone, wearable device, voice-controlled gadget, flexible screen, VR device or smart car would have made it into your hands without us. KLA invents systems and solutions for the manufacturing of wafers and reticles, integrated circuits, packaging, printed circuit boards and flat panel displays. The innovative ideas and devices that are advancing humanity all begin with inspiration, research and development. KLA focuses more than average on innovation and we invest 15% of sales back into R&D. Our expert teams of physicists, engineers, data scientists and problem-solvers work together with the world's leading technology providers to accelerate the delivery of tomorrow's electronic devices. Life here is exciting and our teams thrive on tackling really hard problems. There is never a dull moment with us.

Group Background:

We are developing the next generation optical based metrology. The team comprises of physicists, data and materials scientists. Involved in application development addressing first tier technological challenges.

In this role you will be:

- Developing optical and electro- optical modeling
- Understanding in light and matter interaction or electron beam imaging
- Performing high level analysis capability in either Matlab or Python
- Performing Application Research and Development in engagement with customers
- Taking part in cross technologies/projects and integrated data solutions to allow future developments
- Working on problems of diverse scope where analysis of data requires evaluation of multiple factors
- Demonstrating good judgment in selecting methods and techniques for obtaining solutions
- Interacting with senior internal and external personnel

Job Requirements

- Student for B.Sc./M.Sc./Ph.D. in Engineering or Physics – with at least 3 semesters till graduation.
- Background in Optics and Signal processing
- Strong background in advanced data analysis using Matlab or Python.
- Good English oral and written communication skills

We offer a competitive, family friendly total rewards package. We design our programs to reflect our commitment to an inclusive environment, while ensuring we provide benefits that meet the diverse needs of our employees. KLA is proud to be an equal opportunity employer

******* Work Location: Migdal HaEmek, Israel *******

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