

Software Developer – JB - 143

Job qualifications

- B.Sc. in Computer Science or equivalent.
- 3+ years of experience developing SW under MS Windows environment.
- Good knowledge of VC++, OOP, OOD, Windows OS concepts and multi threading.
- Knowledge of MFC, .NET and C# - an advantage.

This person should be:

- Highly motivated.
- Quick, self-educating learner.
- Willing to confront applicative and technological challenges.
- Capable of writing SW development documents and following SW development processes.

The person to assume this position shall be part of a team whose primary task is to implement various sequences, algorithms, working with HW, applications and user interface of our high-end tools.

The position is in KLA-Tencor's offices in Migdal Ha'Emek.

Please send your CV (In English) with the position's Job Code JB-143 to : academic@kla-tencor.com

System Engineer– JB-73

Please send your CV with the position's Job Code JB-73 to : academic@kla-tencor.com

Job Description:

- Designing and executing multi disciplinary experiments as part of new product development
- Leading sub system development projects integrating multiple engineering aspects.
- Final integration of multi-disciplinary systems and sub-systems
- Writing detailed summary reports for system testing
- Writing of system-requirements for multi-disciplinary sub-systems
- Participation in final system-testing at customers sites abroad
- Ability to spend periods of several-weeks at customers' sites abroad.

Qualifications:

- B.Sc. min. in Physics, optics, EE , ME, aeronautics or another engineering degree.
- Minimum 5 years' experience in system-engineering in developing multi-disciplinary products incorporating optics and mechanics
- Leadership skills of multi-disciplinary system development
- Experienced in generating and writing of system requirements from top level design to detailed design
- Experience in a matrix organization –preferably global
- Ability to drive and lead design reviews, processes and decision making
- Management skills – subordinates, peers, and management
- Professional skills – MATLAB statistical theory and implementation

Research Physicist – JB -145

Please send your CV (In English) with the position's Job Code : JB-145 to : academic@cvwebmail.net

Job Description

Research and development of future accurate and precise semiconductor optical metrologies.

The advanced application development group is a focus group of scientists who research the physics of optical metrology and develop methods and algorithms to achieve superior metrology accuracy.

The group main strive is innovation. New ideas are encouraged and steered for further analysis.

Group members use theory, simulation, experimental data analysis, modeling, and phenomenology.

The group is a dynamic work environment with advanced peer interaction, and strongly interact with other R&D teams in the organization.

Requirements:

- PhD in physics\optics\electro-optics\mathematics\related fields.
- Knowledge in Optics and / or Solid state
- Experience in analytical and numerical models.
- Experience in theory validation by experiments.
- 2 years of work experience in industry or academia (including post-doctoral research) - an advantage
- Expertise in optical metrology technology – an advantage
- Good communication skills
- Proficiency in English

Algorithms Developer – JB-110

Job Description

Definition and development of measurement algorithms in a multidisciplinary innovative environment

Development of system level sequences

Leading interdisciplinary teams in the development of high-end concepts and algorithms related to overlay metrology and tool performance.

Participate in R&D activities.

Job Requirements:

- At least M.Sc degree related to one of the following fields: Physics, Optics, Opto-Mechanics, Physical Chemistry, Electrical Engineering, System Engineering.
- Ph.D – an advantage
- At least 3 years of experience in Algorithms Development or System Engineering in multi-disciplinary environment
- Experience in leading Algo/Physics related issues through all stages of product development
- Solid knowledge in Physics (both Theoretical and Experimental)
- Analytical and methodical approach to problem analysis
- Creative and innovative,
- Capable of seeing the big picture and bring various approaches and parameters to problem solving
- Knowledge in Image/Signal processing – an advantage
- Proficiency in MATLAB or other programming language (C/C++) a must

Please send CV (in English) with job code- 110 to: academic@kla-tencor.com