SW Student / Engineer
Job Location-Yokneam

Overview
We are looking for exceptional students/engineers who will investigate the use cases, system-level operation, performance requirements and architecture exploration for the world’s largest cloud computing providers and the fastest high-performance computing network. This is an opportunity to join Mellanox in developing our next generation products for the network markets.

Responsibilities

- Development of testing environments for architecture exploration, system flows and performance validation.
- Define, design and implement system validation flows.
- Working in a very team-oriented environment, interacting with engineers from other disciplines and other teams from chip design, architecture, software and firmware.

Qualifications

- BSc student in Electrical Engineering / Computer Engineering / Computer Science
- GPA 80 and above (Preferred universities: Technion, BGU, TAU)
- C / C++ hands-on development
- Very good communication skills

Preferred Qualifications:

- Parallel programming
- Operating systems knowledge
- Object Oriented Programming
- Python knowledge
- Knowledge of Hardware verification concepts and tools (UVM, Specman)


Performance Student / Engineer
Job Locations-Yokneam | Tel Hai

Overview
Mellanox Technologies is looking for a Performance Engineer to join its team. The position includes software and hardware performance analysis for all Mellanox Infiniband and Ethernet networking products.

Qualifications

Experience: Outstanding graduated or experienced engineer
Education: B.Sc. in Computer Science / Computer Engineering

Advantages:
- Experience with networking.
- Wants to work with hardware.
- Understanding of OS kernel.
- Embedded development or testing experience.
- Knowledge of TCP/IP.
- Knowledge of Device drivers / sockets.

Personal:
- Excellent interpersonal skills
- Committed, independent, result oriented.
- Capable of analyzing complex algorithms.
- Flexible and comfortable with dynamic changes

Cyber Security Student
Job Locations-Tel Aviv | Yokneam | Raanana

Overview
Mellanox is looking for an excellent SW Student to join the Cyber Security Arch team. The person will have to work closely with Mellanox’s SW and architecture teams and gain deep understanding of Mellanox’ products and technologies and to be able to implement Cyber Security features.

Responsibilities
- Develop Cyber Security POC
- Develop Cyber Security Automatic Tests
- Develop Cyber Security Features

Qualifications
- Student for a B.Sc. in Computer Science or SW/Computer Engineering
- Good programming skills in Python, C/C++
- Knowledge in operating systems
- Strong analytical, debugging and problem solving skills
- Enjoys working as part of an engaging, collaborative team
- Creative, motivated and driven worker

Advantage:
- Cyber Security Experience
- Experience with cryptographic libraries (e.g. OpenSSL, cryptlib)
- Familiarity with System programming and embedded systems (ARM)
- Good understanding of cryptography (e.g. RSA, ECC, ECDSA, AES), and weakness in implementations.