PHY-Algorithms Engineer

Job Locations-Yokneam | Tel Aviv

Overview

Mellanox Technologies is looking for a PHY-Algorithms Engineer. The Phy-Algorithms team is responsible for designing robust, real-time link-adaptation algorithms.

Responsibilities

The position includes Algorithm Verification, performance testing and real-time coding.

Qualifications

The new members should be imaginative and creative with a strong mathematical basis, self-motivated, able to refine ill-defined issues and deal with frustration, work under stress and prioritize, multitask, have a System-level understanding, good communication skills, good problem-solving skills, project leading skills and be team players.

Education:
B.Sc. degree in Electrical Engineering/ Computer science

Experience/ Requirements- advantage:
Real-time programmer
Strong coding abilities in C

Advantages:
Shell scripting proficiency
Python and Perl knowledge
Familiarity with Ethernet protocols
Experience with in-depth troubleshooting

Good verbal and written English communication skills
Knowledge in analog circuits, Digital communication and RF

https://careers-mellanox.icims.com/jobs/5301/phy-algorithms-engineer/job

Firmware Automation Engineer

Job Locations-Tel Aviv | Yokneam

Overview

Mellanox Technologies is looking for a talented Firmware Automation and Validation Engineer to take part in developing connectivity solutions for Data Centers and for the Networks of tomorrow.

You will take active part in developing Mellanox next generation network products.

Take part in advanced networking Firmware features development & validation for Cloud and Data center, focusing on Physical layer.

You will become part of an hands-on development team with engineering excellency, creativity and innovation.

Responsibilities

- Developing tests, validation and automation for various state of the art communication systems
- Integration and delivery of features into production code base
- Defining and building test schemes and setups
- Debugging and screening HW/FW/SW issues
- The position includes interfaces to FW development, chip design, Architecture, production, QA and Costumer application engineering.

Qualifications

- +3 years of experience in FW/SW validation, testing, integration & regression

- Experience with scripting & programming languages, particularly Python and C++
- Solid debugging experience and ability to investigate and triage difficult problems
- Good understanding of Hardware/Software Development Life Cycle
- B.Sc. / M.Sc. in Electrical Engineering, Computer Engineering or Computer Science.

Advantage:

- Good knowledge of communication specs (Ethernet, InfiniBand, Fiber-optic cable)
- Deep knowledge of real time embedded systems (preferred)
- Programming knowledge in C
- Good knowledge in Gerrit, Git, jenkins
- Experience with High/Low speed IO validation
- Programming in MATLAB

https://careers-mellanox.icims.com/jobs/5291/firmware-automation-engineer/job

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)

https://careers-mellanox.icims.com/jobs/5276/sw-student---engineer/job

Firmware Engineer

Job Locations-Yokneam | Beer Sheva

Overview

As our activities expand, we are building a new team for next-generation Firmware development.
We are looking for talented and motivated engineers to work on the most advanced, cutting edge technology network adapters, and develop features for the world's largest cloud computing providers and the fastest high-performance computing networks.
The position include design and implementation firmware code, integrate to verification environment, support verification teams, define, design and implement new verification flows.

You work on the state of the art technologies, working with many teams in chip design, architecture, software and firmware.

Qualifications

- <u>B.Sc</u>. in Computer Engineering / Electric Engineering / Computer Science

- Experience in Real-time or embedded software development
- Strong interpersonal skills and capability to drive various cross-functional team members
- Experience in C/C++ and Python
- Team player, responsible and motivated
- Ability to work in a dynamic and challenging environment

PREFERRED QUALIFICATIONS

- Knowledge of Hardware verification concepts and tools (UVM, Specman, Coverage Driven verification)
- Experience partnering with software and arch teams to define and implement firmware IF
- knowledge in networking, linux and scripting languages
- Experience with in depth troubleshooting

https://careers-mellanox.icims.com/jobs/5200/firmware-engineer/job

Senior Software Engineer

Job Location-Raanana

Overview

Mellanox is looking for Senior Software Embedded Engineer for the SDK Outbound team.

Responsibilities

- Develop Mellanox next generation network products SDK
- Take part in advanced networking features development for Cloud , Data center and SuperComputers
- Develope the Next Generation ASICs bring ups in the group
- Work on exciting first tier features enablement
- Portable networking software implementation in an embedded environment (Ethernet/Infiniband switch/router product line)
- Full development cycle methodology (design to final delivery to customer)

Qualifications

- Bachelor's degree in computer science or equivalent experience
- 3+ year experience in coding in C/C++
- Experience with embedded systems
- Experience with Agile Scrum methodology
- High technical understanding and learning skills – specification, design, programming, integration and debugging abilities
- Experience in development in Linux (user and/or kernel modes)
- Comfortable taking initiative and performing cross teams coordination
- Positive attitude
- Excellence communication skills

Advantages:

- Experience with Networking applications and protocols
- Experience with Linux environment
- Experience with HW Emulation (For example Palladium).
- Experience with Bring up process
- Experience with Python

https://careers-mellanox.icims.com/jobs/5146/senior-software-engineer/job

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

https://careers-mellanox.icims.com/jobs/5223/performance-student---engineer/job