Digital Circuit Design Engineer-HDL

Job Description
The designated candidate will participate in the physical implementation of the next IBM generation of CPU’s, designed with IBM’s latest and greatest Silicon process. The designated candidate will be using cutting edge tools and design methodology, like Large Block Synthesis. Yet, due to the design complexity and tight requirements, the person who will fill this position will require fundamental VLSI and digital circuit design understanding and knowhow. The candidate will be required to demonstrate excellent communication and interpersonal skills, to work effectively in a highly dynamic team environment, as a part of a larger global team.

Starting work date 1/1/2015.

Job Roles:
• Owning the physical design of a set of blocks from initial design phase to RIT
• Bring design blocks from RTL through automated synthesis process to create the Boolean equivalent physical implementation
• Working as a member of a design team
• Working closely with the Logic design team
• Working in the frame of a world global design team.
• Up to 2 years from graduation of B.Sc or M.Sc

Requirements
• Thorough VLSI & digital circuit design knowledge
• Acquaintance with digital CAD tools and Linux like work environment
• Team player
• Motivated, self-directed, and able to work effectively & independently.

Advantages:
• Scripting (Shell/SKILL/PERL/TCL)
• RTL coding
• Processor’s architecture
• Deep submicron technologies and basic device physics
• Custom design

Grades sheets must be added to the application.

Go to the link to see more details. Please include your CV when applying for the position. https://jobs3.netmedia1.com/cp/faces/job_summary?job_id=STG-0691476

Hardware Verification Engineer- HDL
IBM STG (System Technology Group) in Israel is looking for an outstanding EE or CS graduate.
The position involves responsibility for planning and executing tests in a large scale and complex verification environment, in addition to customizing parts of the environment via coding in C++ and script language.
Or Development and support of a leading test generator tool used in the verification of processors during their design phase, via C++ coding.
The technology involved is at the backbone of IBM’s processors development effort, including embedded processors, servers and super computers. As the complexity of processors grow, new technological developments and innovations are required.
The work will be performed as part of a local and/or global verification team for an advanced, state of the art design.

Starting work date 1/1/2015.

**Requirements:**
- Up to 2 years from graduation of B.Sc or M.Sc.
- Excellent technical capabilities, understanding of complex technical challenges
- Excellent people and communication skills
- Ability to work as part of a team
- Self learning capabilities

**Advantages:**
- Understanding of computer architectures
- Knowledge and/or experience in object-oriented programming (C++)
- Knowledge in communication, IO, memory, and processors
- Familiarity with verification methodology

Grades sheets must be added to the application

Go to the link to see more details. Please include your CV when applying for the position

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**IBM Research - Haifa is looking for a Senior data security and privacy researcher**

**Description:**
Looking for an outstanding candidate for an R&D position in the area of Data Security and Privacy. The department addresses a wide range of technological challenges, such as maintaining privacy in the era of big data, automating malware analysis, CyberPhysical Security, Mobile Security and Security Analytics. We are responsible for generating cutting-edge innovation while pushing the state-of-the-art envelope within IBM security technologies.

**Requirements:**
Candidates must be creative thinkers and team players with excellent leadership capabilities. They should be able to clearly articulate new ideas, put them in the context of business requirements and pursue them to success. Candidates are expected to have excellent technical and programming skills. Candidates should be versatile with auto-deductive capabilities and the ability to build expertise in a diverse and dynamic range of technologies and problem domains. Strong background in security is an advantage. Advanced degree in CS/EE/Math required, However, exceptional undergraduate may also apply.

**Location:**
Haifa, IBM Research Lab

Go to the link to see more details. Please include your CV when applying for the position.
IBM Research is looking for a Researcher/Software Engineer for the Video & GIS Analytics group

Job description:
Software Engineer for the Video & GIS Analytics group
The opening is for the Video & GIS Analytics group in Haifa Research Lab (Haifa site).
The group focuses on producing searchable metadata for video content, to allow users to reuse and interact with multimedia content more effectively.
We look for a person with strong software engineering side including excellent programming skills (JAVA, J2EE, C++), with also a good algorithmic skills (computer vision, machine learning, signal processing) where our algorithms should take also scalability and performance (computation) aspects into considerations.

Requirements:
- Excellent programming skills (JAVA, C++), J2EE background recommended
- Computer science graduate (MSc. is recommended), with background in the multimedia, computer vision and machine learning.
- Work well in teams, but willing also to take individual tasks as applicable
- Cope well with aggressive schedule
- Position is in the Haifa site

BSc. or Master’s Degree in computer science or electrical engineering.

Go to the link to see more details. Please include your CV when applying for the position.

IBM Research is looking for a Machine Learning and Big Data Expert

Job description
Machine Learning and Text Analytics Expert

The analytics department is seeking a candidate with expertise in the areas of machine learning and natural language processing for projects involving text analysis. The candidate should have experience in working with large datasets in real-life settings. Experience in analysis of textual datasets is an advantage.
Skills and background:
- knowledge and hands-on experience in machine learning and/or natural language processing
- Programming knowledge and experience - Java and Matlab
- Academic research in machine learning and/or natural language processing
- Experience in scalable and parallel big data platforms and algorithms - an advantage.

Required
- Master’s Degree
- English: Fluent
- Hebrew: Fluent

Go to the link to see more details. Please include your CV when applying for the position.
Researcher for the Cognitive Vision and Interaction Group
Location: Haifa

Description:
This position involves developing cutting-edge computer vision technologies in the Cognitive Vision and Interaction group in IBM Research - Haifa. The selected candidate will research and develop innovative solutions using state-of-the-art technologies in machine learning for multi-objects recognition systems. The team addresses challenges in computer vision, such as: image processing, objects detection, objects recognition, machine learning, 3D tracking and augmented reality.

Requirements:
Candidates must have strong programming skills. Hands on experience in using C/C++. Be creative thinker, team player with self-education abilities. Strong problem determination and resolution skills are required. Experience in applying advanced machine learning technologies. Learning experience of the relevant courses.

Education:
M.Sc/PhD in CS/EE

Go to the link to see more details. Please include your CV when applying for the position.

Mobile iOS software engineer at IBM Research for Wearable-enabled solutions

Wearable computing brings a new wave of opportunities to the enterprise to design, develop, and deploy a new generation of enterprise applications, tools, and services that rely upon the interaction with a variety of body-worn and other pervasive devices (e.g., smart watches, fitness trackers, and brain monitors). This new era is also a part of the Internet-of-Things age, in which the boundaries between the cyber and physical worlds disappear. From an enterprise point of view, this entails augmenting existing business solutions to empower its employee's capabilities, and to develop applications that provide secure connectivity while operating across a plethora of wearable- and mobile-devices that connect to back-end analytics and web services.

This job opening offers a unique opportunity to engage in the development of wearable-enabled solutions, jointly with other leading researchers and software developers in the Wearable Computing area.

To this aim, we are seeking exceptional software engineers to develop robust web- and mobile-based applications, preferably having prior experience with both frontend and backend technologies.

Desired Education and Experience:
• Master degree in Computer Science or equivalent
• A minimum 5 years of relevant experience

Skills and Other requirements:
• At least 3 year experience in developing iOS applications
• At least 2 year experience in one of more of the following: CSS, HTML 5, Javascript, and Javascript frameworks such as JQuery, D3, Dojo, Node.js
• Proficient in Object Oriented design and programming concepts
• Experience in Java/J2EE and Web development
• Experience in SQL and relational databases
• Experience with mobile development for Android – advantage
Experience with Cloud base development (Microsoft azure, Amazon AMS) – advantage
Work within time and resource constraints
Strong interpersonal and communication skills
Background in Signal processing – advantage

Go to the link to see more details. Please include your CV when applying for the position.