Hardware Student – Surface team

Location: Herzeliya

This Job is eligible for the following work arrangements: Part-Time

Surface Israel is looking for talented electrical engineer intern for the system engineering group. Surface Israel team is developing custom technology solution for Microsoft’s Surface products. The system group is leading the development of the solutions which include mixed signal ICs, signal and image processing algorithms, physical modeling, electro-mechanical design. The job provides an incredible opportunity to be part of a team which changes the way we interact with computers.

Requirements:

- M.Sc. student in Electrical engineering or Computer engineering from an accredited university. Average grade over 80
- Availability of at least 20-25 hours per week. Flexible to work over time when required.
- Excellent written and verbal communication skills.
- Talented, motivated and good interpersonal skills.
- Strong analytical and problem solving skills.
- Self-learner with ability to learn quickly.

*** We greatly encourage and welcome qualified candidates who happen to have disabilities to apply for jobs in our company

To apply please click here
Software Engineer student- Recommendation team

Location: Herzelia

Interactive Entertainment Business (IEB) has a broad mission to “re-invent entertainment, led from the living room, powered by the cloud, across multiple screens and best experienced on our devices”.

IEB has a rich set of assets with Xbox, Xbox Live, Kinect, Zune Marketplace, etc. with a highly active and engaged customer base. Using modern high-scale distributed systems and analytics to create a data driven feedback loop that encompasses customers, product designers, content creators and the marketplace that informs design and delivers rich contextual personalization is critical for IEB.

The Entertainment Services group has the mission to provide the platform and tools that enable deep insight into our customers’ preferences to improve adoption, usage and satisfaction.

The Xbox Recommendation Service team in Israel is a fast growing team that is responsible for designing, building and delivering the recommendations and personalization solution for IEB (including Xbox, Windows 8, Kinect, and the future TV solution).

If you are passionate about software, data mining, data analysis, statistics, A/B experimentations etc. we are offering a unique and great opportunity for talented people, to help us build the best recommendation system in the world.

Responsibilities include data mining of large datasets using map-reduce technologies, using statistical methods to find patterns in data, coming up with hypothesis and using data to validate them, and being part of a fast moving and growing development team.

Requirements:

- Computer Science degree (5th semester and up) - M.Sc. is preferred
- GPA 85 and above
- At least one year experience in data mining/data analysis methodologies
- At least one year experience in writing code - C# or Java experience is preferred
- Team player, confident and enthusiastic
- Knowledge with web technologies / protocols - an advantage

To apply please click here
Software Engineer student - Aorato

Location: Herzeliya

This Job is eligible for the following work arrangements: Part-Time

Aorato team in Israel (Acquired by Microsoft) is an innovator in enterprise security.

Aorato will give customers a new level of protection against threats through better visibility into their identity infrastructure.

With Aorato we will accelerate our ability to give customers powerful identity and cyber-security solutions that span on-premises and the cloud, which is central to our overall hybrid cloud strategy.

Aorato’s sophisticated technology learns entities’ behavior by building organizational security interaction graph and analyzes it using machine learning, to detect suspicious activities of users, devices and resources on a company’s network.

Soo, if you are SUPER talented and you want to be part of a SUPER talented team, building an AMAZING product using the NEWEST technologies -> ping us.

Requirements:

- Student for B.Sc./M.Sc. degree in a technical discipline
- must be 4th semester or above, study towards, computer Science degree (5th semester and up).
- GPA above 90.
- 1+ years of experience in software development - C# experience preferred
- Ability to work 3-4 days a week
- Team player, confident, independent and enthusiastic!

To apply please click here
Data Science (Deep Learning) Student – ILDC Incubations

Location: Herzeliya

The Incubation team at Microsoft’s Israel Development Center, is a start-up spirited engineering team aimed at the future bets of Microsoft and of ILDC. The team is missioned with incepting and incubating new, innovative and disruptive offerings that will be at Microsoft’s forefront in the Artificial Intelligence era.

As an agile innovation team, our domain discipline shifts between different high impact areas in every iteration and enables a unique experience to learn and grow while making a significant contribution. Every individual in our team gets a chance to impact every aspect of the product - from user experience and UI design to Algorithmic and ML capabilities; via own contributions and by working closely with peer Product Groups and Microsoft researchers on cutting edge problems and by tackling core engineering challenges.

**Qualifications:**

- Student for M.Sc. or PhD degree in a computer science/mathematics or similar engineering disciplines
- Meaningful and proven hands on experience with any of: Microsoft Cognitive Toolkit, TensorFlow, Caffee, MXNet, Theano or other known DL Open Source libraries
- Experience with curating and handling audio and/or video data
- Profound control of R and python
- Excellent English and Hebrew communication skills
- Must think strategically as well as breakdown complex problems
- Expected to act with independent judgment and to be self-initiative
- Cloud computing related experience is an advantage

To apply please click here
Research Software Engineer Student – Cortana

Location: Herzeliya

Our Team develops algorithms for personalizing Cortana – Microsoft’s personal assistant, empowering experiences for productivity and leisure for millions of users around the world.

If you an experienced programmer with a passion for working with data, including data mining, statistics and machine learning - this is the right place for you.

As a research developer, you will be an integral part of the research team working on exciting and difficult problems in the area of user understanding as well as constructing the infrastructure on which Cortana will run.

Also, you will be analyzing real user data and signals to help improve Cortana.

**Requirements:**

- B.Sc, M.Sc or Ph.D Computer Science/Engineering student with B.Sc GPA: 85+
- 1+ years of experience in writing object oriented software.
- Passion for quality and building Internet scale systems
- Willingness and ability to do research along with software development
- Strong learning capabilities, can quickly ramp-up on new technologies
- Passion for learning new technologies
- Knowledge or experience with statistics / data mining / machine learning - an advantage

[To apply please click here](#)
Software Engineer - Windows Cyber Defense

Location: Herzelia/Haifa

Windows Defender Advanced Threat Protection is a new service that helps our enterprise customers to detect, investigate, and respond to advanced and specifically targeted at their networks attacks.

Building on the existing pre-breach security defenses in Windows 10, we - Windows Cyber Defense team, are building a new enterprise product, Windows Defender Advanced Threat Protection, which provides a post-breach layer of protection, including detection, remediation and investigation of the attack.

We use state of the art technologies like Public and Private Cloud services, Big Data and Machine Learning to provide ongoing high level of protection for our customers. Our team is responsible for every aspect of the new Windows Defender ATP Service, like Windows 10 embedded optics, Cloud Services, Data Analytics and Security Research. We work in a very agile environment, react and proactively address evolving security threats and collaborate closely with our top strategic customers.

Requirements:

- 1-3 years of software development experience
- Team player, confident and enthusiastic
- B.Sc./M.Sc. in Computer Science (or equivalent)
- Highly hands-on
- Autodidactic abilities to ramp up quickly on new technologies

Knowledge in one of the following is an advantage:

- Experience in .NET/C#
- Experience with public cloud and BigData technologies
- Experience in the cyber security domain

Come join us and protect billions of users all around the globe!

To apply please click here
Client Software Engineer Student – Windows Cyber Defense Group

Location: Haifa

At the Windows Cyber Defense Group which is a newly formed team in the Israel R&D center, our mission is to provide protection and defense for Windows’ hundreds of millions of users against malicious attacks and cybercrime. As cyber-attacks are becoming highly sophisticated, easily evading traditional defenses like signature based anti-virus software, and making enterprises more vulnerable, our team is tasked with pushing Microsoft’s protection offering into the next stage - identify and block cyber-attacks in real-time, research threats and provide the tools and systems needed for protecting the enterprise. We use state of the art technologies like Big Data and Cloud based solutions to develop, research and run our services and to provide the ongoing protection our clients expect.

For building our next generation client, we are looking for C++ developer interns which are passionate to learn and develop windows services.

Here you will learn to develop software in windows kernel and user mode programming, for building devices driver or client side applications.

We are looking for students with good technical skills that are self-driven and can balance drive for results, team-work and the ability to quickly learn and pick up new technologies & applications.

If you are passionate about developing for windows in a top notch development team, excited about security and fighting cybercrime, interested in solving complex problems in large scale systems and able to learn and then demonstrate deep understanding of Windows inner workings, come join us - together we can make an impact!

**Requirements:**

• Students in the 5th semester or higher who study for SW engineering or Computer Science

• Average grade of 80 and higher

• Good operating systems knowledge and understanding

• Good C/C++ knowledge

[To apply please click here](#)
Service Engineer Student- WDATP

Location: Haifa/Herzeliya

Are you interested in working for one of the most exciting teams in Microsoft? Then look no further than the Windows Defender Advanced Threat Protection Service Engineering team.

You will be building solutions that leverage state of the art technologies to deliver holistic protection to a user base of thousands of enterprises and businesses around the globe.

The Windows Defender Advanced Threat Protection team is responsible for delivering a constantly evolving set of services and solutions to meet the challenging landscape of our ever-evolving attackers.

The Services Engineering team provides leadership, direction and accountability for application architecture, system design, and end to end implementation.

You will independently determine and develop architectural approaches and solutions, conduct business reviews, and operate our production services.

Requirements:

- 1+ years of experience in Service Engineering/Software Engineering roles;
- 1+ years of coding/testing experience Strong analytical and problem solving and organizational skills
- Ability to deal with the ambiguity associated with working in a fast-paced and changing environment.
- Leadership skills: Sound problem resolution, judgment, negotiating and decision making skills.
- Feedback/Metrics collection techniques to expose live site/service issues.

Preferred Qualifications:

- C#, or .Net development experience
- Powershell scripting automation ability
- Develop test plans/cases, conditions and scenarios in support of ongoing applications and infrastructure.
- Demonstrated solid working knowledge on cloud computing / Azure/ AAD
- Familiar with Agile/Scrum/Lean Methodology
• Drive increased efficiencies through automation you author Constantly focus on how to enable the business and increase agility Provide deep technical insight and hands on help to drive issues to root cause and resolution to live site
• Proven experience dealing with large scale data architecture, operational architecture and or network Architecture
• Proven experience creating distributed systems tools of moderate to high complexity.

To apply please click here
Research Engineer Student- MSTIC-IL

Location: Haifa

The Microsoft Threat Intelligence Center (MSTIC) is looking for Research Engineer Intern to join the newly formed MSTIC-IL team. The Threat Intelligence Center is focused on building cutting edge solutions, countering adversary-based threats to Microsoft and its customers through dissemination of threat intelligence, proactive hunting, incident response, and the development of new solutions and methods to detect adversary activity, investigate and respond to the attacks.

Are you interested in discovering and tracking emerging threats, and using that information to protect Microsoft and its customers? Do you want to be part of the team that provides security analysis services for products such as Office 365’s Exchange Online Advanced Threat Protection? Do you like reversing? We’ll give you threats to analyze. Love coding? There’s plenty to write. Are you a data buff? This place is for you! Come join us at Microsoft Threat Intelligence Center IL in Cloud and Enterprise (C&E) Security!

The Research Engineer Student will:
• Research the advanced threat / exploitation landscape
• Provide in-depth / FP / FN analysis for Office 365 Advanced Threat Protection service
• Implement rich security analysis and production quality detection capabilities in the cloud

Requirements:
• M.Sc. / Ph.D. student in Computer Science or Mathematics
• B.Sc. student in Computer Science with relevant knowledge and experience in exploit/threat detection technologies
• Strong problem solving skills and technical judgment
• Knowledge in security and exploit/threat detection technologies, analysis and reverse engineering- Advantage
• Strong programming skills and understanding of data structures/algorithms- Advantage
• Experience in supervised machine-learning- Advantage
• Experience in Object Oriented Programming- Advantage

To apply please click here
SDE Student - MSR Advanced Technology Labs

Location: Herzeliya

MSR Advanced Technology Labs (ATL) ATL Israel Labs is part of Microsoft Technology & Research and is focused on delivering Natural User Interface (NUI) enabling technologies based on vision Sensors.

It is our mission to lead end-to-end technologies and tools, from signal processing to new services & experiences in the area of vision-based NUI to enable and leverage NUI and NUI experiences across Microsoft devices and services.

The labs consist of a group of versatile software engineers and researchers that their daily routine ranges from fast prototyping to build ready-to-ship code. From inventing new technology to empowering strategic business units.

We are looking for an agile code ninja, hard-core developer who is passionate about the state of the art technologies, a fast adapter and an early adopter to be part of the team.

If you are passionate about software engineering, willing to work in an innovative and challenging environment and want to be part of a SWAT team of brilliant engineers then our team is the place for you. Responsibilities include design and development of new code & tools that implement and showcase futuristic NUI based scenarios in a unique development setting.

Requirements:

- Student for B.Sc. and/or M.Sc. in Computer Science who has software background
- GPA 85 and above Proven engineering and C# coding experience
- Ability to work independently
- Abilities to ramp up quickly on new technologies
- Good people skills and collaboration
- Excellent written and oral communication skills
- Knowledge in one of the following is an advantage: WFP and Azure

To apply please click here
Data Scientist student - OSG Recommendation

Location: Herzeliya

The recommendation team in Israel is a fast-growing team responsible for designing and building recommendation algorithms for a wide array of Microsoft products such as Xbox Games, Xbox Movies, Groove Music, Windows Store, Windows Phone, and much more. We develop cutting edge machine learning algorithms that serve tens of millions of users around the globe.

We are looking for a data scientist intern to join one of the best machine learning groups in the country. Responsibilities include: Working with world class machine learning researchers and data scientists. Help developing real-world machine learning algorithms serving millions of users worldwide. Developing recommender systems for Windows Apps, Phone Apps, Xbox games, movies and music. Working with big data. Statistical analysis of data. Extracting insights from data. Data manipulations (filtering, data transformations, etc.).

Requirements:

• PhD. or MSc. Student preferably in Computer Science, Electrical Engineering or a related field.

• Excellent coding skills. C# or Java is a plus.

• Hands on experience working with large data sets.

• Familiarity with machine learning or data mining algorithms.

• Familiarity with statistics.

• Ability to work 3 days a week.

• At least 1 year remaining before final graduation.

• Passionate about big-data.

To apply please click here
Software Engineer Student – Personalization

Location: Herzeliya

We ship Cortana!

Our team builds the personalization core services of Cortana in the cloud.

**Requirements:**

- Students in the 5th semester or higher who study for SW engineering or Computer Science
- Average grade of 85 and higher
- Good operating systems knowledge and understanding
- Good C/C++ knowledge
- Team player, confident and enthusiastic
- Passion to Technology

[To apply please click here](#)
Software Engineer - Azure Cyber center

Location: Herzeliya

The C+E Security division in Microsoft is accountable for the development of cutting-edge security technologies and contributes to Microsoft’s major products and cloud offerings that account for Billion $ in revenue. In hybrid log analytics/SIEM products, security is a major differentiator and we own the mission of articulating the security strategy and driving this solution execution to maximize this potential and revenue.

Microsoft Operations Management Suite (OMS) Log Analytics offers IT and CISOs the ability to derive deep and actionable insights across their IT environment, from the on-premises datacenter to any cloud. As part of Log Analytics, the Security and Audit solution we’re building gives customers a holistic, data-driven approach to security and helps them stay ahead of cyber threats as they evolve.

Our team is a small sharp and fast hyper-agile family, strongly oriented to delivery, quality live site and developer empowerment cultures. We develop visibility dashboards, windows and Linux data collection and analysis, deep investigation capabilities, analytics such as network security, 1st party and 3rd party integration architectures and many more on our way to turn OMS into a next generation SIEM.

What are we looking for?

We are expanding and looking for strong developers to join us for making an impact and helping hybrid customers be more secure.

Minimum qualifications:

- B.S in Computer Science or a similar technical field of study or equivalent practical experience.
- At least 1-2 years of hands-on experience in software development.
- Fluent in at least one programming language.
- Strong problem solving, troubleshooting and analysis skills.
- Autodidactic abilities to ramp up quickly on new technologies.
Advantages:

- Background in Security software development.
- Background in SIEM product development.
- Knowledge of machine learning or data science.
- Knowledge of anti-malware products.
- Knowledge in security products such as checkpoint, CISCO and related protocols – syslog, CEF.
- Experience with Linux development and OS internals.
- Knowledge building distributed Cloud services.

To apply please click here
Software Engineer - Recommendation team

Location: Herzeliya

Interactive Entertainment Business (IEB) has a broad mission to “re-invent entertainment, led from the living room, powered by the cloud, across multiple screens and best experienced on our devices”. IEB has a rich set of assets with Xbox, Xbox Live, Kinect, Zune Marketplace, etc. with a highly active and engaged customer base. Using modern high-scale distributed systems and analytics to create a data driven feedback loop that encompasses customers, product designers, content creators and the marketplace that informs design and delivers rich contextual personalization is critical for IEB.

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Requirements:

- 2+ years of software development working on large scale production system.
- Experience in the areas of online services, multi-threading and async programming.
- Experience in the areas of NOSQL databases is an advantage.
- Strong coding skills in C++/C#, domain specific languages and/or functional languages.
- Strong working knowledge of network theory, protocol design and PII/security.
- Highly methodical, highly motivated, a self-starter with demonstrated ability to work independently as well as part of a team.
- Demonstrate success working in a fast paced environment.
- Demonstrate success dealing with ambiguous “unsolved” problems; and the ability to independently make solid progress by breaking new ground

To apply please click here
Research Engineer Student- Secure Islands

Location: Herzelia

We are the Cloud and Enterprise Information Protection Group, IL team, which is based on the newly acquired start-up Secure Islands.

Our mission: To provide protection for the sensitive data of our customers. Among those are organizations which hold highly sensitive and targeted data.

Our focus is classifying organization data using various techniques and technologies, then encrypt and provide access and right management for data identified as sensitive, using our Azure RMS cloud based encryption service.


We’re looking for an RSE to lead developing and prototyping content classification technologies to improve our classification engine.

in the role, you’ll need to learn, POC and innovate on content classifiers based upon various NLP and machine learning technique existing in research and in Microsoft.

We are seeking for top-notch talent who are passionate about creating real life Software solutions based on NLP and machine learning constructs.

Requirements:

- M.Sc. / Ph.D. student in Computer Science or Mathematics Industry
- experience in supervised machine-learning Industry experience in Object Oriented Programming in one of the following languages: C/C++/Java/C#/Python

To apply please click here
Microsoft is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, sex, sexual orientation, gender identity or expression, religion, national origin or ancestry, age, disability, marital status, pregnancy, protected veteran status, protected genetic information, political affiliation, or any other characteristics protected by local laws, regulations, or ordinances.

We encourage disabled candidates to apply for relevant positions and willing to consider flexibility and needed adaptation

All FTE positions will be required to pass the Microsoft background check upon hire

What will you do?