Job Description: Research Program Manager, ILDC Innovation Labs

Is this for me?
Are you independent thinker, self-motivated, and driven by desire for innovation? You also have a desire and ability to work with a team of professionals with diverse professional background and areas of expertise?
If you answered yes, Microsoft’s Israel Innovation Labs might be the right place for you. We are now looking for bright and exceptional researchers to join our team.

What will I do?
In fact, if we had the answer to this question, we would not be looking for you.
You will be part of the research labs team, taking part in driving the creation of significant and valuable intellectual property and breakthroughs, by developing concepts, ideas or products relevant to Microsoft’s businesses in the areas such as communications, security, advertising, search, online services and entertainment.
At this point, we are expanding our social-networks research team. We are looking to better understand information flow within social networks, behavioural patterns and influence in social context, and cross-network phenomena.
You will have the right environment and strong support to drive your ideas from concept to solution. You will be empowered to influence hundreds of millions of end users while impacting Microsoft’s business via bold, breakthrough technologies and applications.
Your main challenge will be to map your strengths passion and expertise to the Microsoft universe, philosophy and strategy. Together, we will create groundbreaking, innovative ideas and concepts which will have a potentially significant impact on consumers and businesses around the world.

Ideal candidate should have:
- Industry experience in applying advanced knowledge to solving real-world problems.
- Knowledge and experience in with machine learning and/or behavioural science.
- Strong analytic, quantitative and experimentation skills.
- Business-oriented understanding of related markets and technology spaces.
- Startup spirit and passion for disruptive innovation.
- Inner-drive for excellence and the ability to lead others.
- Solid programming skills and good knowledge of the tools used in the discipline.
- Good teamwork skills and the ability to dream and dare.
- Clear presentation and strong communication skills, both verbal and written.
- Ph.D. in Computer Science, Mathematics, Statistics or related field.

Please send your resume to: naomiya@microsoft.com
Sr. Algorithm Research & Development Engineer - Knowledge Services Israel
Microsoft Hertzelya

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 Knowledge 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.

IEB-Knowledge Services Israel is a fast growing team that is responsible for designing, building and delivering the recommendations and personalization solution for IEB (including Xbox, Zune, Kinect, and the future TV solution). If you are passionate about the cloud computing and large scale date systems which will serve millions throughout the world, we are offering a unique and great opportunity for talented people, to help us build and ensure our products meets the highest standards.

Responsibilities include algorithm design and implementation for super-large, cloud based recommendations and personalization service, coordination with MSR (Microsoft Research), Dev, PM and test groups, working closely with peers in Redmond, and being part of a fast moving and growing development team.

Qualified candidates meet the following requirements:

- MA or PHD in Computer Science with focus on machine learning, statistical systems or recommendations systems
- Strong theory/algorithm background and very good understanding on how to apply advanced knowledge to solve real problems.
- Experience in data mining or statistical work with large datasets
- 3+ years experience in statistical, recommendations or machine learning algorithm design and implementation for large scale systems - C/C++/C# experience preferred
- Good coding skills
- Passion around algorithm engineering and coding
- Passion for quality
- Strong debugging problem solving and analysis skills
- Team player, confident and enthusiastic

Please send your resume to: naomiya@microsoft.com
<table>
<thead>
<tr>
<th>Position Title</th>
<th>Algorithms Engineer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>Xbox</td>
</tr>
<tr>
<td>Location</td>
<td>Haifa, Israel</td>
</tr>
<tr>
<td><strong>Position Description</strong></td>
<td>We are seeking an exceptional algorithms engineer with strong image processing background to develop novel 3D imaging technologies, jointly with hardware engineers.</td>
</tr>
</tbody>
</table>
| **Key Responsibilities** | • Development of new, custom-designed, image processing algorithms.  
  • Finding innovative solutions to difficult problems.  
  • Team work in an interdisciplinary environment.  
  • Programming in C++ and Matlab. |
| **Required Background & Experience** | • Strong academic knowledge in image-processing (Master / Ph.D.)  
  • Solid industry experience in image and video processing.  
  • Creative problem solver.  
  • Research capabilities.  
  • Fluent in Matlab.  
  • Good programming skills (C/C++).  
  • Knowledge in DSP and/or GPU is an advantage. |
| **Preferred education** | Master / Ph.D. in computer science, electrical engineering or equivalent |
| **Languages**     | Fluent Hebrew and English             |

Please send your resume to: naomiya@microsoft.com