

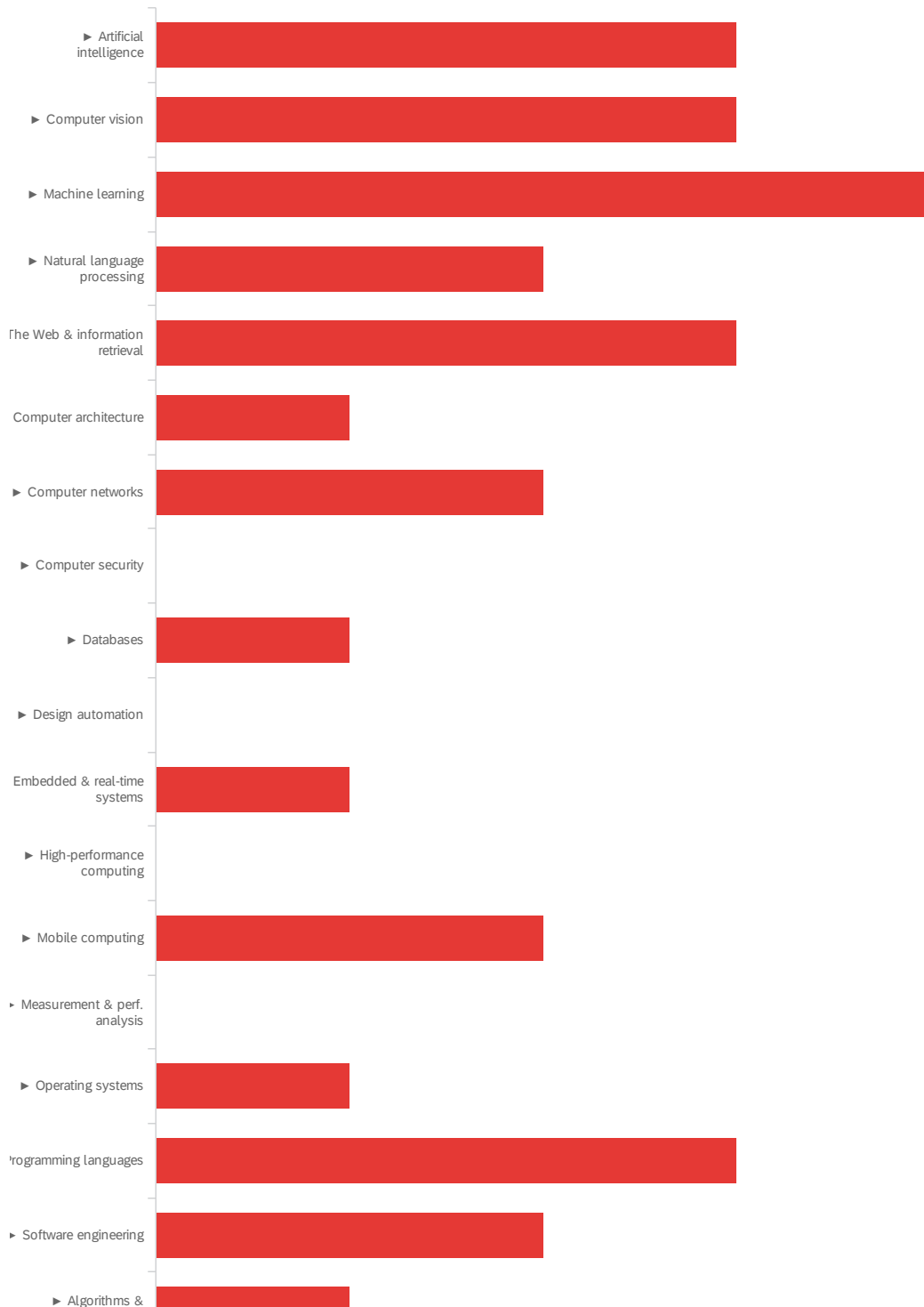
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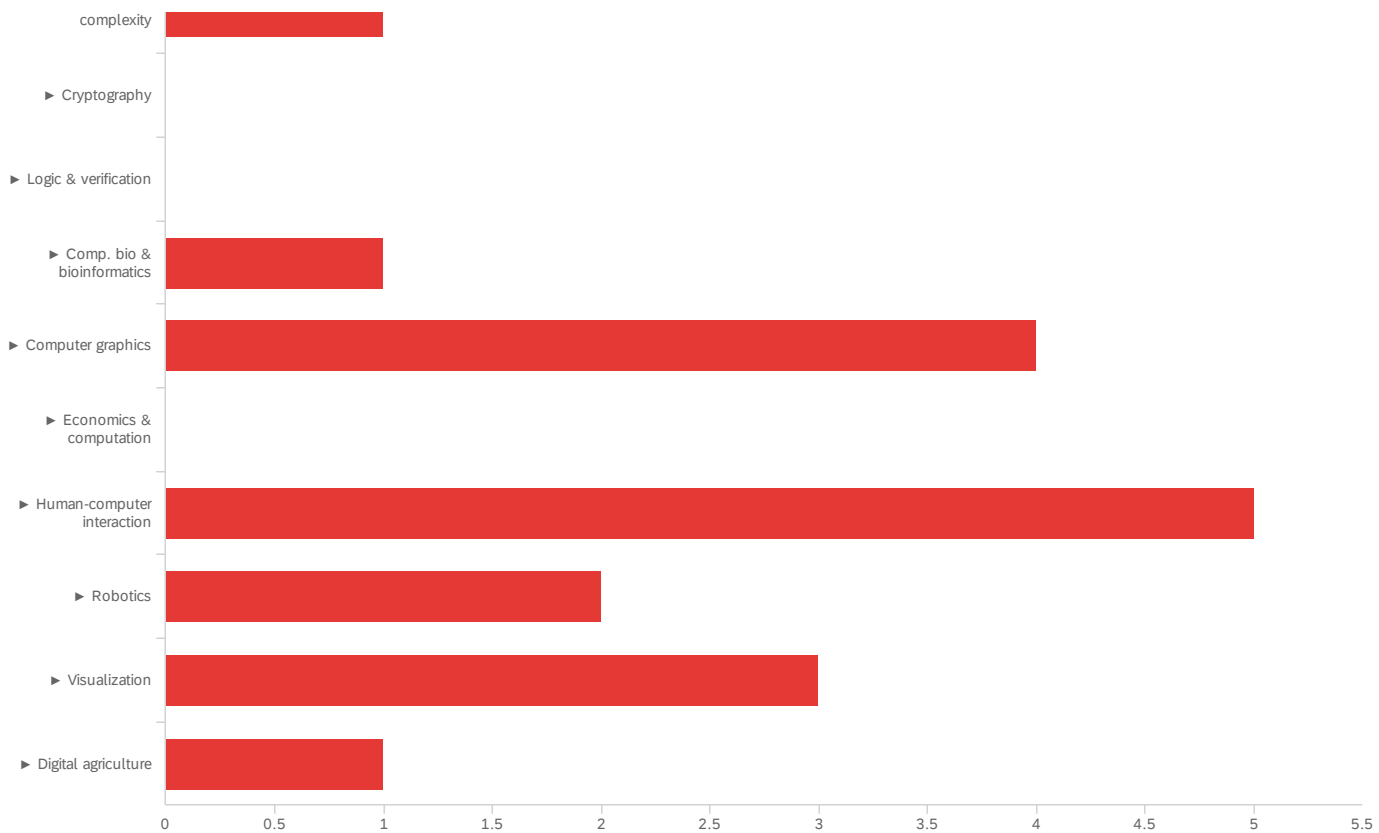
Area for Faculty Hiring

January 12, 2023 12:35 PM MST

Q1 - Drag, drop and rank the bulleted options as high priority areas according to your order of priority.

Drag, Drop and Rank the bulleted options according to your order of preference...





Q2 - If a high priority area is not on the list above or needs multiple positions, please enter it in the text box below.

If a high priority area is not on the list above or needs multiple position...

Data Science One Health Ethics Indigenization and Decolonization

I might consider an open call for best available, though not sure it sells well.

One thing that will be tricky to capture above is that we can use this opportunity to start an entirely new 'research group' in SoCS. I've seen people hired as "individual research 'groups' " before, and they tend to wither and leave if not supported with other research-based colleagues. I've put down HCI (plus visualization) because it is my research area (which I assume you'll get a lot of), but also because we should continue momentum with recent strong HCI hires. I've also specifically NOT included AI because it seems that half of everyone here does AI, yet I can detect little-to-no reputation on the national or international scene in terms of our AI clout. Adding more AI might help, but it will have to be considered carefully within the SoE+GrahamTaylor context.

The most important consideration in my opinion is whether or not the candidate can teach junior undergraduate classes. Too many of our recent hires are not teaching core undergraduate courses and the heavy workload is falling to the senior faculty, many of whom are likely to retire in the not-too-distant future. The practice of hiring 'researchers' and then letting them only teach graduate courses and senior undergraduate courses is misguided and unfair. It creates two classes of faculty and the 'researchers' seem to feel they are somehow more important than the 'instructors'. We should not be relying on sessional instructors to provide the foundation knowledge that our undergraduates need in their first two years of study. That will result in cohorts of students who lack skills as sessional instructors have no way of knowing the whole curriculum.

Data Mining Educational Data Mining

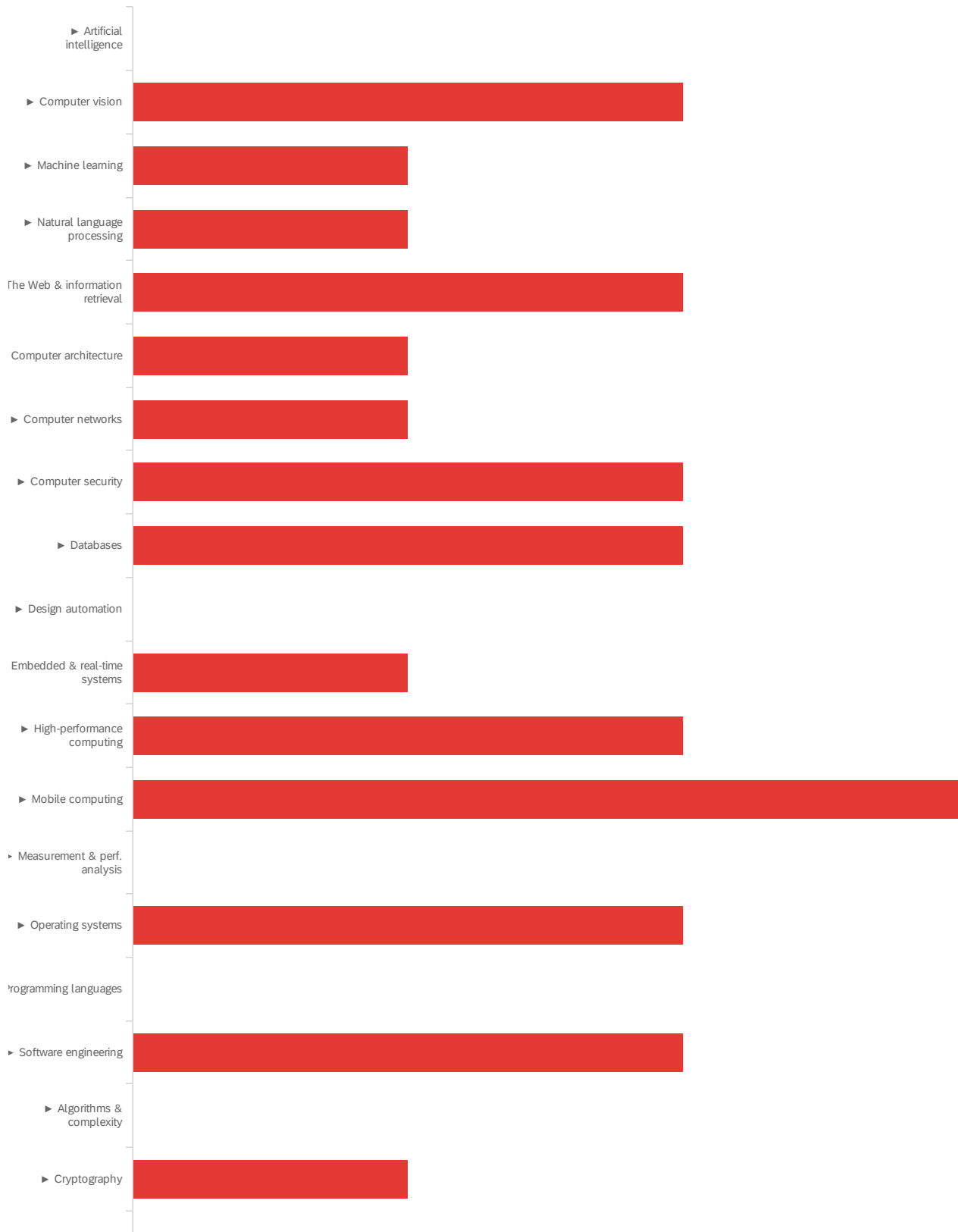
Compilers, System programming

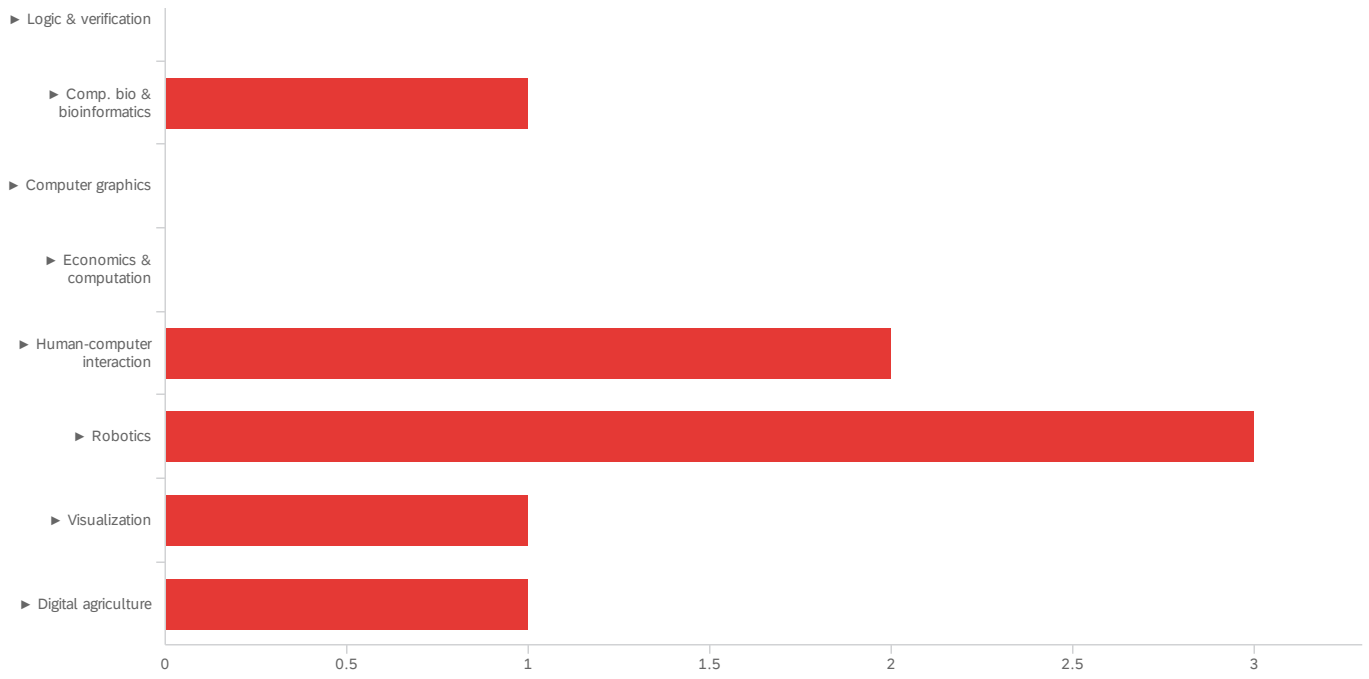
Wearables and IoT is an area we should have expertise in.

Many of the ML/Vision jobs can be grouped together and also support digital agriculture. Looking at the courses that are missing instructors for 23/24 we need people in SoftEng and HCI.

Q3 - Optional: Drag, drop and rank the bulleted options as additional (nice to have) areas according to your order of priority.

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Q8 - If an area is not on the list above, please enter it in the text box below.

If an area is not on the list above, please enter it in the text box below.

It seems we continuously struggle to find someone with strong and related research backgrounds to teach OSs and Networks. Having someone with strong SE research could really help us strengthen and refresh our SE program.

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End of Report