|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Michaela** | **Job Rank** | **Clive** | **Job Rank** | **Shashi** | **Job Rank** |
| UI/UX Designer | **21** | Machine Learning Engineer | **Not listed** | Cloud Engineer | **134** |
| ***Skills Required*** | ***Ranking*** | ***Skills Required*** | ***Ranking*** | ***Skills Required*** | ***Ranking*** |
| Communications | 5 | Applied Mathematics | not ranked | Linux OS | 12 |
| Empathy | 5 | Computer Science / Programming | 1 | ASP.NET | not ranked |
| Curiosity | 5 | Machine Algorithms | not ranked | SQL: | 1 |
| Critical Thinking | 5 | Data Modelling | 153 | Python: | 20 |
| Business acumen | 10 | Neural Networks | not ranked | Golang: | not ranked |
| Research skills and analytics | 133 | Natural Language Processing | not ranked | PHP: | 33 |
| Customer service | 12 | Communication Skills | 5 | Networking and Internet Protocols | 159 |
| Coding and development | 1 |  |  | Understanding Virtualization | not ranked |
| Wireframing and prototyping | not ranked |  |  | Security and Recovery | 73 |
| UX writing | 21 |  |  | Web Services and API | not ranked |
| Visual communication and UI | 21 |  |  |  |  |
| User testing | 75 (listed as Process testing) |  |  |  |  |

Industry Data

The below summary list shows a difference in the communication, and people skills versus the technical skills required. The ability to talk, listen and work in a team is in high demand. The ability to read and understand when people converse in a technical manner which can be translated for everyday use and communication to the wider group.

This highlights the approach where most IT professionals need to speak and convey the requirements and business functions but also be mindful of the language and approach used. Understanding that not all the audience or group you are working will be at the full technical level. This shows that a more lateral and communication type approach is becoming highly valued and now being listed along side technical skills, as the type of employee business want.

Some of the items not ranked where not located on the Burning Glass data sets.

The Machine Engineer role has a strong component of mathematics and has elements actuarial skills sets.

Websites used to locate job skills required:

UI/UX Designer

<https://careerfoundry.com/en/blog/ux-design/what-skills-do-you-need-as-a-ux-designer/>

Machine Learning Engineer

<https://www.geeksforgeeks.org/7-skills-needed-to-become-a-machine-learning-engineer/>

Cloud Engineer

<https://www.geeksforgeeks.org/skills-required-to-become-a-cloud-engineer/>