



Performance Capabilities Worksheet

Mark the top ten capabilities that fit your interests and career goals, then note in the columns to the right where those capabilities are emphasized in our programs.

Mark (X)	Performance Capability	CS	IS	IT
	1. Prove theoretical results	5	2	2
	2. Develop solutions to programming problems	5	4	3
	3. Develop proof-of-concept programs	5	4	3
	4. Determine if faster solutions possible	5	2	2
	5. Use productivity software well	3	5	5
	6. Do small-scale programming	5	5	4
	7. Do large-scale programming	5	5	2
	8. Do systems programming	5	1	1
	9. Develop new software systems	4	4	2
	10. Design embedded systems	1	0	0
	11. Implement embedded systems	2	1	1
	12. Design computer peripherals	1	0	0
	13. Design complex sensor systems	1	0	0
	14. Design a chip	1	0	0
	15. Program a chip	1	0	0
	16. Design a computer	1	0	0
	17. Create a software user interface	4	5	5
	18. Produce graphics	5	1	2
	19. Produce game software	3	0	5
	20. Design a human-friendly device	2	2	2
	21. Define information system requirements	2	5	3
	22. Design information systems	3	5	3
	23. Implement information systems	3	5	3
	24. Train users to use information systems	1	4	2
	25. Maintain and modify information systems	3	5	4
	26. Design a database mgt system (e.g., Oracle)	5	2	1
	27. Model and design a database	3	5	2
	28. Implement information retrieval software	5	5	2
	29. Select database products	3	5	5
	30. Configure database products	3	5	2
	31. Manage databases	3	5	2
	32. Train and support database users	2	5	3
	33. Develop corporate information plan	0	5	3
	34. Develop computer resource plan	2	5	5
	35. Schedule/budget resource upgrades	2	5	5
	36. Install/upgrade computer software	3	3	3
	37. Intelligent systems Design auto-reasoning systems	4	2	2
	38. Implement intelligent systems	4	2	2
	39. Design network configuration	3	3	5
	40. Select network components	2	4	5
	41. Install computer network	1	3	5
	42. Manage computer networks	3	3	5
	43. Implement communication software	4	4	4
	44. Manage communication resources	1	3	5
	45. Implement mobile computing system	3	4	5
	46. Manage mobile computing resources	2	4	4
	47. Manage an organization's web presence	2	4	5
	48. Configure & integrate e-commerce software	2	5	4
	49. Develop multimedia solutions	2	4	5
	50. Configure & integrate e-learning systems	2	5	5
	51. Develop business solutions	2	5	3
	52. Evaluate new forms of search engine	4	4	4

0-“no emphasis” to 5-“highest emphasis”