Human-computer interaction(v)	Multimedia(c) — Software engineering(c) — Computational biology(c) —
Geometry(v)	Human-computer interaction(c)
Data mining(v)	Data mining(c)
Data science(v)	Data science(c)
Computer graphics (images)(v)	
Programming language(v)	Computer graphics (images)(c)
Artificial intelligence(v)	Artificial intelligence(c)
Computer vision(v)  Theoretical computer science(v)	Information retrieval(c)
Information retrieval(v)	Computer vision(c)  Theoretical computer science(c)
World Wide Web(v) Distributed computing(v)	World Wide Web(c) □
Algorithm(v)	Machine learning(c) = Parallel computing(c) = Computational science(c) =
Parallel computing(v) Machine learning(v) Combinatorics(v)	Algorithm(c)  Geometry(c)