A genetic algorithm (GA) is a search technique used in computer science to find solutions to problems. Solutions are typically represented as simple strings of data and instructions, although solutions can also include timetabling and scheduling problems. A Genetic Algorithm Tutorial by Darrell Whitley explains how genetic algorithms can be applied to solve complex problems.

Darrell Whitley and others in 2005 described Genetic Programming (GP), essentially an evolutionary algorithm. Although (WHW05) shows how genetic algorithms can be used, such as GA (genetic algorithms), it also highlights the importance of understanding the problem domain to develop effective genetic or evolutionary computation solutions.

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