Curriculum Vitae

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Full list of research products

Journals

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Patents

[108] The idea published in the paper [136] has been patented by Lucent Technologies (USA), with title *"Method and system for supporting multi-method dispatching in object-oriented programming"*, US Patent No. 6,434,566, granted on 13 agosto 2002.

[109] The idea published in the papers [154, 155] has been patented by Universities of Pisa and Rutgers, with title *"Method of structuring and compressing labeled trees of arbitrary degree and shape"*, US Patent No. 8,156,156, granted on 10 April 2012.

[110] The idea published in the paper [163] has been patented by Yahoo! with the title *"Query log mining for detecting spam hosts"*, US Patent no. 8,996,622, granted on 31 marzo 2015.

[111] US Patent on "Systems, methods and computer-accessible mediums for utilizing pattern matching in stringomes", co-author B. Mishra (Courant Institute, New York University), owner New York University, US Patent No. 10,346,551, granted on 9 July 2019.

[112] US Patent on "Data structures and operations for searching, computing, and indexing in DNA-based storage", co-authors S.P. Bathia and N. Roquet, owner Catalog Technologies Inc., US Patent No. 11,610,561, granted on 21 March 2023.

[113] The idea published in the paper [193] has been patented in Italy by the University of Pisa with the title *"Procedimento di compressione e ricerca su un insieme di dati basato su strategie multiple"* (Italian Patent no. 102021000014069, granted on 5 October 2023). It has been extended to the USA with the title *"Compression and search process on a data set based on multiple strategies"*, US Patent no. 12,253,970 (B2), granted on 18 March 2025.

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