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# CSCI 398

## Research Topics in Computer Science

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# Research Topics

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- Cryptology
  - Merkle-Hellman knapsack cryptosystem
    - Merkle-Hellman additive knapsack cryptosystem
    - Merkle-Hellman multiplicative knapsack cryptosystem
    - Merkle-Hellman multiply-iterated knapsack cryptosystem
  - Advanced knapsack cryptosystems

# Additional Research Topics

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- Data Structures and Algorithms
  - Dynamic Programming Technique
    - Bioinformatics Algorithms.
    - Visualization.
  - Visualization of the Advanced Data Structures and Graph Algorithms
  - Exploring Advanced Sorting Algorithms.
    - Visualization