

That is It And What is the Next?

Hengfeng Wei

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That is It And What is the Next?

1 That is It!

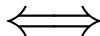
2 What is the Next?

Algorithms

Algorithms

DFS/Dijkstra Frameworks + Code

Prove (or disprove)

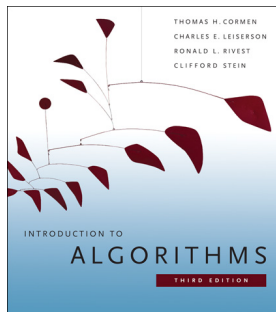


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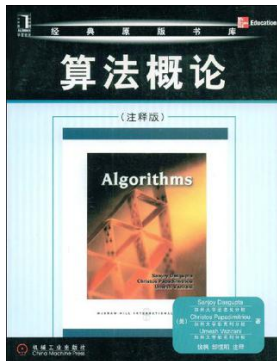
CLRS



MIT OCW: 6.046J/18.410J, Fall 2005

MIT OCW: 6.006, Fall 2011

Algorithms



Advanced ...

6.897: Advanced Data Structures (Spring 2003)**Prof. [Erik Demaine](#)**[\[General motivation\]](#) [\[Requirements\]](#) [\[Projects\]](#) [\[Scribe notes\]](#) [\[Erik's notes\]](#) [\[Email archive\]](#)**Topics**

This class will cover a variety of topics, which can vary depending on interest by students. Big topics that will structures. To get a better feel for the area, I've written some [general motivation for advanced data structures](#).

6.890 Algorithmic Lower Bounds: Fun with Hardness Proofs (Fall 2014)**Prof. [Erik Demaine](#)** **TAs:** Sarah Eisenstat, Jayson Lynch[\[Home\]](#) [\[Lectures\]](#) [\[Problem Sets\]](#) [\[Project\]](#) [\[Open Problems\]](#) [\[Piazza\]](#)**Overview**

Need to figure out when to give up the search for efficient algorithms?

Want to know why Tetris and Mario are computationally intractable?

Love seeing the connections between problems and how they can be transformed into each other?

Like solving puzzles that can turn into publishable papers?

Advanced ...

6.897: Advanced Data Structures (Spring 2003)

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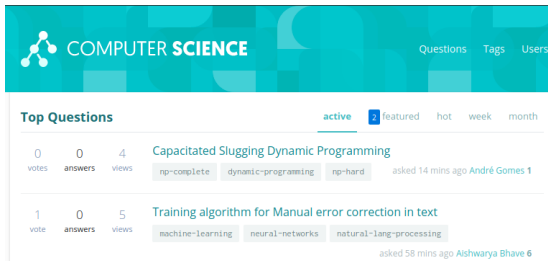
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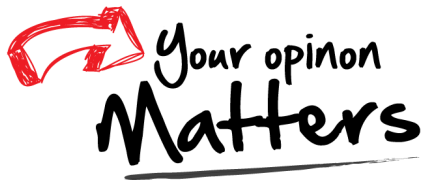
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Resources



<https://cs.stackexchange.com/>





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