CSE 331 Algorithms and Data Structures

Hu Ding

Computer Science and Engineering, Michigan State University
Who Am I
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I join CSE@MSU in 2016
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I am working on Algorithms and the applications in real world
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I am NOT a harsh teacher
What Is Algorithm?

- Algorithm is a set of operations in a step-by-step fashion.
- What we care about an algorithm:
  1. Time: how many steps?
  2. Space: how much extra space needed?
  3. Quality: how far is it between the output and the objective?
- Example: GPS.
  1. Data: map, starting point and destination.
  2. Objective: a "shortest" path.
What Is Algorithm?

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<thead>
<tr>
<th>Data</th>
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  3. Recommendation: Amazon, Netflix, Facebook
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  • midterm exam 25%
  • final exam 30%
  • class participation 5%

• Office hours:
  • Me: 12:30-2:30pm Mon at 2140 EB
  • TA (Liyang Xie): 3-5pm Wed at 3203 EB
Syllabus

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