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6.006 Introduction to Algorithms  
Spring 2008

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# 6.006 Recitation

Build 2008.2

# Outline

- Introductions
- Document Distance -- What It Is
- Python Code

# Why Algorithms?

- Pwn interviews
- Keep your brain in shape
- Build better systems
- Save the world

# Word from our Sponsors

- Do not copy someone else's code
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# Document Distance

- Big Intimidating Mathy Metric
- Comes down to
  - For each word  $W$  in both docs
    - $Q$  = number of occurrences in doc 1
    - $R$  = number of occurrences in doc 2
    - Sum up  $Q * R$

# Daily Python: Lists

- `fruits = ['cat', 'window', 'defenestration']`
- `fruits[1]`
- `fruits[1] = 'wall'`
- `fruits + ['lawsuit']`
- `fruits.append('lawsuit')`
- `fruits.extend(['lawsuit'])`