Mike Dunlavey

Fellow at Certara/Pharsight

🎂 Member for 16 years, 2 months 🕐 Last seen more than a week ago

🔗 en.wikipedia.org/wiki/… 📍 United States

Profile Activity

Stats

40,599	8.4m	1,657	9
reputation	reached	answers	questions

About

BS Mechanical Engr.

PhD CS(AI)

CS Prof (4yr)

Numerous consulting jobs.

15 yr at http://www.pharsight.com

Published book on CS & several articles

4 kids, 2 grand

Pilot(student)

P.S. The picture is an Inverse-Beta distribution. It shows the program speedup factors you can get if you see a problem twice in 2, 3, 4, and 5 samples. You can derive it from Amdahl's law.

Badges

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15 gold badges		
performance		Jun 29, 2017
Publicist × 5		Jul 26, 2022
Unsung Hero		Oct 5, 2010

94 silver badges		
profiling		Dec 14, 2013
optimization		Oct 7, 2014
c		Aug 19, 2015

138 bronze badges		
profiler		Mar 1, 2012
gprof		Jan 8, 2017
language-agnostic		Sep 17, 2015

Top tags

View all tags

performance	1,192 score	695 posts	42 posts %

profiling	•	742 score	425 posts	26 posts %
c++	•	616 score	376 posts	23 posts %
optimization	•	585 score	345 posts	21 posts %
c	•	538 score	249 posts	15 posts %
algorithm	•	295 score	108 posts	6 posts %

Top posts

View all questions, answers, and articles

| All | Questions | Answers | Articles | | Score | Newest |

A	1623	How do I profile C++ code running on Linux?	Dec 18, 2008
A	459	Performance optimization strategies of last resort	May 29, 2009
A	205	Alternatives to gprof	Nov 22, 2009
A	98	How does differential execution work?	Jan 28, 2009
A	82	Stack and Queue, Why?	May 8, 2010

A	80	How to improve performance of this code?	Nov 28, 2010
A	73	Best way to find a point on a circle closest to a given point	Nov 19, 2008
A	68	JavaScript loop performance - Why is to decrement the iterator toward 0 faster than incrementing	Aug 23, 2010
A	65	Finding the number of digits of an integer	Jul 11, 2011
A	65	Quickly find whether a value is present in a C array?	Sep 5, 2014

Top network posts

View all network posts

	103	Is micro-optimisation important when coding?
	72	Why do beams of light (from torches or other directed sources) not extend to infinity?
	71	Why does kinetic energy increase quadratically, not linearly, with speed?
	69	What kind of bugs do "goto" statements lead to? Are there any historically significant examples?

☕	60	**Clean readable code vs fast hard to read code. When to cross the line?**

Communities

☕	Stack Overflow	40.6k
☁	Physics	17.2k
☕	Software Engineering	12.9k
▦	Cross Validated	1.7k
[S]	Skeptics	1.1k