Peter Cordes

🎂 Member for 15 years   🕐 Last seen this week

⌗ 📍 Halifax, Canada

Profile   Activity

Stats

360,821	18.1m	6,604	28	🏆
reputation	reached	answers	questions	#10 this month

About

GNU/Linux programmer/performance engineer and command line junkie. He/him.

Primary maintainer of the Stack Overflow x86 [tag wiki](#).

I like efficient code, and knowing how things *really* work.

I mostly use C/C++ (and perl/bash) on Linux, but I mostly look at assembly-language stuff on SO because it's more interesting to me, and there are fewer people posting good asm answers.

Profiles ▾

(profile pic is from https://xkcd.com/386/, and describes me perfectly. Incomplete answers/explanations make me crazy.)

Badges

49 gold badges

● x86-64	Jul 27, 2018
● cpu-architecture	Sep 12, 2018
● intel	Aug 16, 2019

699 silver badges

● avx2	Jun 17, 2019
● micro-optimization	Oct 3, 2018
● masm	Aug 14, 2023

958 bronze badges

● lock-free	Aug 29, 2018
● avx512	Feb 3, 2019
● stdatomic	Feb 10, 2019

Top tags

assembly ●	17,124 score	3,397 posts	51 posts %
x86 ●	13,937 score	2,113 posts	32 posts %

c++ •		9,691 score	1,137 posts	17 posts %
c •		6,115 score	1,189 posts	18 posts %
x86-64 •		5,655 score	1,101 posts	17 posts %
cpu-architecture •		4,996 score	866 posts	13 posts %

Top posts

View all questions, answers, and articles

All	Questions Answers Articles	**Score** Newest

A	2135	Why does C++ code for testing the Collatz conjecture run faster than hand-written assembly?	Nov 1, 2016
A	430	Deoptimizing a program for the pipeline in Intel Sandybridge-family CPUs	May 21, 2016
A	371	How much of 'What Every Programmer Should Know About Memory' is still valid?	Dec 8, 2017
A	329	What is the best way to set a register to zero in x86 assembly: xor, mov or and?	Nov 12, 2015

A	324	**Does the C++ standard allow for an uninitialized bool to crash a program?**	Jan 10, 2019
A	267	**Is incrementing an int effectively atomic in specific cases?**	Sep 8, 2016
A	184	**Why does glibc's strlen need to be so complicated to run quickly?**	Aug 27, 2019
A	176	**Bubble sort slower with -O3 than -O2 with GCC**	Oct 9, 2021
A	158	**Fastest way to do horizontal SSE vector sum (or other reduction)**	Feb 8, 2016
A	154	**How to remove "noise" from GCC/clang assembly output?**	Jul 24, 2016

Top Meta posts   Q 14   A 103

	77	**How are we supposed to post godbolt links now that URL shortening is blocked?**
	65	**The dawn of Documentation: a solstice update**
	63	**Discussion: New AI-generated content policy**
	62	**Are questions that boil down to errors in off-site resources on-topic?**

	59	Git question with very nonlinear history: Answers cannibalizing each other into redundancy

Top network posts

	126	Why does preset "veryfast" in FFmpeg generate the most compressed file compared to all other presets?
	100	Why does my browser think that https://1.1.1.1 is secure?
	64	Why are leap seconds needed so often?
	57	The start of x86: Intel 8080 vs Intel 8086?
	57	Did any compiler fully use Intel x87 80-bit floating point?

Communities

Stack Overflow	360.8k	
Unix & Linux	6.5k	
Super User	6.1k	
Code Golf	5k	
Retrocomputing	3.6k	