

CS 2150 Exam 1, fall 2014

Name _____

You **MUST** write your e-mail ID on **EACH** page and bubble in your userid at the bottom of this first page. And put your name on the top of this page, too.

If you are still writing when “pens down” is called, your exam will be ripped up and not graded – even if you are still writing to fill in the bubble form. So please do that first. Sorry to have to be strict on this!

Other than bubbling in your userid at the bottom of this page, please do not write in the footer section of this page.

There are 6 pages to this exam. Once the exam starts, please make sure you have all the pages. Questions are worth different amounts of points.

If you do not bubble in this first page properly, you will not receive credit for the exam!

Answers for the short-answer questions should not exceed about 20 words; if your answer is too long (say, more than 30 words), you will get a zero for that question!

This exam is **CLOSED** text book, closed-notes, closed-calculator, closed-cell phone, closed-computer, closed-neighbor, etc. Questions are worth different amounts, so be sure to look over all the questions and plan your time accordingly. Please sign the honor pledge below.

*You step in the stream,
But the water has moved on.
This page is not here.*

(the bubble footer is automatically inserted into this space)

Page 4: Numbers, page 1

8. [6 points] Consider the *little-Endian* hexadecimal value $0x00009c41$, which is an IEEE 754 encoded floating point number. Convert this to base 10.
9. [3 points] Convert 125_6 to base 9
10. [3 points] Convert -3 to two's complement big-Endian hexadecimal notation. Your answer should be 32-bit hex value.

Page 6: No questions here

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