Exercise #3
Due Friday, 10/16/2015, at 11:59pm

Computer Science and Other Fields

All too often, people think that pursuing a computer science related career will require them to spend the majority of their working life cooped up in some boring, lifeless cubicle farm while working as a cog in some massive, faceless software engineering framework that produces a boring product to be consumed by some other equally-faceless business.

Even if we ignore the facts that software engineering is frequently a challenging, overwhelmingly creative endeavor and that software-focused companies usually make a point of providing engaging work environments, the misconception above couldn’t be further from the truth. The ubiquity of computer systems and the massive benefit of the things they can enable has made computer science a key part of almost every major field or industry you can think of.

As computer science students, it’s important that you know how the knowledge and skills you’ll be acquiring during your studies can be applied to do more than just write programs and solve problems to complete your homework assignments.

Assignment:

For this exercise, you need to consider two industries or academic fields that interest you, and write a paragraph for each about how computer science can or does improve the field or enable things that wouldn’t otherwise be possible.

Feel free to write about things that are happening currently or make (reasonable) speculations about future developments—whatever sounds more interesting! For example, how has biology benefited from applying CS concepts? How will architecture design processes change as virtual reality systems become more and more commonplace? How have computer science developments changed the entertainment industry? The number of topics to choose from is practically endless.

Your work will not be graded based on its length, but remember that we expect that this exercise should take approximately an hour to complete.