

CSC-382 Summer 2021

Assignment #1 (20 points)

Assigned: 7/5/21 @ 12:00AM

Due: 7/12/21 @ 11:59PM

1.0 Future Use of Software Engineering:

How may Software Engineering principles assist you in the future (professionally, personally, etc.)? I would like you to ponder this question and submit, at least, a *two-page response*.

2.0 Introduction to Software Engineering:

2.1 R. R. Loka, "Software development: What is the problem?", *IEEE Computer*, pp. 110-112, Feb 2007.

2.2 P. Denning and R. Riehle, "Is software engineering engineering?", *Comm. of the ACM*, vol. 52, no. 3, pp. 24-26, 2009.

These papers are interesting in that they give opposing views regarding the similarity of software development to engineering. Write a *two-page paper* that:

- i) summarizes the content of each paper,
- ii) compares and contrasts these apparently opposing views
- iii) your own opinion regarding the job of software engineer/developer and whether SW engineering is actually engineering or more like a teaching/artistic position.

NOTE 1: Be careful of plagiarizing. If you repeat anything directly, from published works, it must be in quotes. These quoted sections should be kept to a minimum since I want YOUR opinions.

NOTE 2: For all written homework in this class, a page is defined as single space, 12-point font, with one inch or less side margins, and 1.5 inch or less top and bottom margins. Write in complete sentences and provide references with citations as needed.