

SE 494  
Fall 2019  
Cumulative Reflection Assignment  
Richard Smith

CR1.

- a. ISU helped a little bit with design processes, we never really get to be as creative as a wanted to due to highly specific requirements on hw's
- b. My skills for formulating and solving engineering problems have substantially increased though, since my freshman year.
- c. ISU has also helped with my engineering solutions globally/social context. I can converse and talk about things with other engineers and be confidence due to my knowledge gained at ISU
- d. I've always been a pretty ethical person even before thinking about being an engineer. But with my work and other projects I will always remain truthful to co-workers and partners no matter what.

CR2.

- a. A huge thing I loved about Iowa State was group projects. I was always blessed with people slightly more knowledgeable than me, always taking their time to help me out with any questions I would have. It makes for a better learning environment when you have helpful people around other than being stuck on your own. And I would sometimes know things other group members wouldn't so that made me feel good about myself helping them out when the need be.
- b. I'm a lot more diligent in my programming also, often seeing things that could be wrong even before I write it down first. Very helpful with time and frustration of debugging things that didn't need to cause bugs in the first place.
- c. Not so much on professional and ethical responsibilities until Senior year came. This class was my main source of how learning professional and ethical responsibilities.

CR3.

Yes, all of the time. It's very seldom that the textbook and classroom has even close to what you need to get good grades on HW's and Exams. Being a software engineer, there's never one way to correctly complete a task or answer a question. The biggest help for me and everyone

else that has coded in their life is a website called **stackoverflow**. Stackoverflow is an open source book that basically can help you learn any way of trying to implement a program or even just learning the syntax for a new language you aren't very familiar with. Class definitely helps with the concepts of learning, but is not enough. I've also had tutors in the past that have helped a lot with learning more of the important core classes.

CR4.

They helped a little, more with networking and social aspects rather than logic and what not. Career fairs are awesome but it's so much competition that it makes it really hard to get anything out of it. I luckily got an internship last summer vacation but that was through a friend, his girlfriend's father just happened to need a software engineer for his company that he owns. I learned a crazy amount of very useful things though throughout my time in that internship.

CR5.

Yes, I have to teach myself .NET and C# due to this job opportunity I really want. But with the foundation that ISU taught me in Java and Springboot I feel as though it's not going to be hard learning any other object oriented languages. I also wish ISU had fewer classes in just regular C. No companies use that language at the career fair except a select few embedded systems companies. It's good to know but I feel it's very unnecessary to have 4 classes worth of it.

CR6.

I would change the way I do hw. I always tell myself to start assignments the very same day it comes out. But I almost always start assignments too late and then end up having a more stressful time doing it because I have not enough time. It's hard to though when you take 4 computer science courses at once, the amount of homework and things you need to do gets crazy. Overall I wouldn't change much other than that though. I'm super excited to graduate as an engineer.