Self-evaluation essay

Milena Sargsian

This semester has been an experience of learning, trying and sometimes failing - but mostly growing. Through my essays and projects I've realized that the main point is not about finishing tasks but also about understanding fully the topics and the ability of expressing my ideas correctly

One of the essays I submitted combined three topics - "What is systems engineering", "Why do we need an operating system in our computer" and "Who are engineers?". I think, it was supposed to be two separate essays, but I merged them into one. It was not the most organized approach, but still, it helped me see how all these concepts are connected. It also made me more aware of the importance of planning and structure in academic writing.

I plan to rewrite two essays. „Os architecture and „Computer Architecture". Then I plan to make a presentation and record it with explanation and eventually add an artistic approach. I want to make sure I fully understand the topics before turning them in to creative projects, because I believe combining logic and art can make learning deeper and more personal. I'm working on building better discipline.

As for my deadlines, I completed one with falling strawberries, it was a small but meaningful project that helped me bring creativity into technical work. Now I'm developing one with more mathematical focus.

So far, this semester has been challenging. Some times it's been hard to stay consistent and keep up with everything. But it also taught me to balance creativity with discipline. I still have a lot to improve, but I've learned to trust the process. Honestly, I'm still searching for answers. In writing, in learning. Maybe that is the most important part of this journey so far..

Milena Sargsian,
Section B
AUA ID: S-1646871

Operating system is the main thing in a computer. It is like a heart of a computer. Without it the computer simply won't work. It manages the memory, the processor, screen and other parts. And it also lets us run programs. Without OS a computer is just hardware.

Systems engineering is about figuring out how different parts can work together as a system. I think it's like a puzzle where every piece is important but only together they will work properly. For example, a phone where screen, battery, camera and software all need to work together, so even if one element fails - the whole system is going down. Systems engineering teaches how to be a real engineer, make complicated things work smoothly and reliably. Engineer is a person who knows how to turn knowledge into practical skills. Their task is not only calculate or build something, but also find solutions where it seems impossible at first. They have to improvise (I understood this from the first "test" on our first lecture). Engineer is someone who mixes math, physics with creativity. (I like this balance of science and creativity). Often there are no instructions and the

engineer has to create it's own path. To truly understand and master a system, he needs to know how to build it and how to fix it. Engineers are not just instruments that you can use and throw away. It's a mindset, a way of living, they think wider, they're independent and free because they are the people that see possibilities where others see only problems.