CS-405

Reflection

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During this course, we touched on many concepts of software security, on both ends of the spectrum (high level and low level). To start, we explored unit testing in C++ with gTest from google. This was eye-opening to me, as I have never heard of a C++ unit testing. From there, we went to learn about coding standards, and how these tests enforce a few coding standards. In so, using a test driven development environment and tackling security at the forefront can squash issues early in development, and save technical debt.

Further on in this course, we investigated security breaches and the cost of poor security. We examined hacker motives and the cost of such breaches. Personally, I had known mostly about this, as I follow a lot of that stuff. Some mitigation methods introduced in this course are things I had not seen before. So, implementing these methods gave me insight into what kind of things need to happen when a security flaw is detected.

Lastly, I must talk about the Zero-Trust policy and how it relates to our studies. Essentially, this means that you trust no one unless authenticated. So, I think zero-trust is already incorporated into out triple-A framework.