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System Security Discussion

Where in the curriculum should security be introduced ?

1. **Which Courses ?**
    In out opinion we believe that the system security should first be introduced in the Operating systems courses along with the network (sensor, wireless, etc.) and distributed systems courses. Also web programming and software engineering are also great classes to first introduce security in programming with systems.
2. **What element of security in each ?**
    *   Reverse engineering in the early level compiler class
    *   Protocol Security for the web development classes
    *   Command shell for the operating systems classes
    *   Networking and firewall configuration in the networks classes
3. **What other skills/modules should be infused in CS courses ?**
    *   Mobile phone/tablet development.
    *   Using cloud services and how to secure them properly.
    *   Use of industry tools like professional debuggers and check style (code verification) tool s
    *   Design patterns and calling them out by name early and consistently so they could be used across the learning trail.
    *   Use of standards (IEEE, HTTP/HTTPS)