Niladri Sengupta

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Ms. Laura McHugh

Professor of Technical Communications

Algonquin College, Room B311A

1385 Woodroffe Ave.

Ottawa, ON, K2G 1V8

Dear Ms. McHugh,

The format chosen for this for this report is Comparative with Recommendation. I would like my topic for the final report (in this course) to be Firewall. The readers of my report will come to understand the risks and benefits of different types and/or levels of Firewall. Computers are not as safe as they use to be a few years ago. Security breach in the virtual world is becoming more common than ever. There’s no such thing as absolute security in the virtual world, it can always be breached. Which is why every person should know how to secure their machine as much as possible.

Breaching through someone’s computer to access unauthorized data is becoming more common these days. Programmers are building the proper software and tools to avoid and block these malicious attempts. Firewall is a gateway or a passage where the downloaded content of the internet is passed and scan to make sure it is not a virus, worm, unprivileged access, etc. If a threat is detected the Firewall either removes the threat or asks the user for further instructions. Even with the default Firewall in many operating systems, hackers and viruses still manage in infiltrate a system, which is one of the reasons users now these days add an anti-virus program on top of the Firewall. In my report, I plan to take a few identical machines with different layers of Firewall added to each one of them respectively (from no security to most secure). After that, I plan to infiltrate each machine with malware and show the damage each machine has faced. I am hoping to turn those results into some form of comparative facts (for example: percentage of damage) so that the reader can understands how unsafe/safe his or her machine might be. I will also add few hypothetical situations where security breaches can happen due to hardware reasons (for example: methods to infiltrate the school server, accessing deep web, etc.)

If the reader wants to know how the level of safety of their machine, they should read my upcoming final report and maybe find some new ways to further secure their computer. There is a saying in the programming world; the most secure computer in the world is the one which is not plugged-in. Therefore, I kindly request that my choice of topic for the report be granted. If you have any questions/concerns regarding this letter, please contact me through the following email: seng0011@algonquinlive.com

Sincerely,

Niladri Sengupta,

Computer Engineer Student

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