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March 2, 2017

Thom Davis
University of Nebraska at Omaha
College of Information Science and Technology
1110 S 67th St
Omaha, NE, 68182

Dear Mr. Davis,

As a University of Nebraska Omaha student enrolled in CIST-3000, Advanced Composition for IS&T, I am required to mail you this cover letter discussing my proposal submission for assignment two. Enclosed in this letter is a copy of my proposal for you to read. I am eager to hear your feedback.

My proposal covers feasibility for a report on public-key cryptography (PKC). It is a classification of cryptography that enables two enrolled parties to send encrypted data without requiring a shared, secret key. It is an important topic because, without PKC, there would generally be no security while browsing the Internet. This is because PKC offers authentication and non-repudiation on a wide scale. These two concepts create the ability for web sites and their users to authenticate each other to exchange encryption keys. Without PKC, almost all Internet traffic will be sent unencrypted allowing anyone to eavesdrop. PKC's counterpart, secret-key cryptography (SKC), is not capable of sharing keys securely to newcomers, so it cannot replace PKC's role. It is interesting to note that SKC has been in use for three millennia while we have only had PKC since the 1970s. PKC has forever improved our ability to engage in secure, encrypted communication. That is why I believe it is a great topic for anyone to learn. Being able to secure your most confidential information while it is in transit through the Internet is a valuable skill.

Overall, this report will require a budget of approximately $7153.63. You can view my budget specifications on page nine. I am interested to see if you believe this project is worth the cost. I would greatly appreciate your consideration on accepting my proposal.

Respectfully,

Matthew C. Sutton
Student

Enclosure