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Thom Davis
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College of Information Science and Technology
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Dear Mr. Davis,

I am writing this transmittal letter to you today to outline the specifications of my report. The topic I chose to write on is public-key cryptography. This report is meant to be a technical paper for a lay audience that teaches them some of the introductory topics regarding public-key cryptography. It is written such that anyone from any level of cryptography knowledge will be able to comprehend the concepts explained in the report. My report is entitled: *An Introduction to Public-Key Cryptography*.

Public-key cryptography is a cryptographic system for parties who wish to establish secure communications without the need to previously communicate an encryption key. The report includes four main sections: cryptography fundamentals, secret-key cryptography, public-key cryptography, and public-key examples. The summation of all information from these topics creates an encompassing view of the cryptographic world. Reading through the report will give the reader many examples that tie into one-another to create the modern cryptographic landscape. The last half of the report explains the modern concepts regarding public-key cryptography and its usage.

This report was created as a requirement for the Advanced Composition for IS&T course at the University of Nebraska Omaha. The main goal of this report was to improve my technical writing skills by writing on an advanced topic for a lay audience. Also, note that everything in the planning process has executed smoothly. The specifications from my original proposal are consistent in the report.

I am requesting you to read my report and identify any shortcomings in my writing process. I believe the figures and examples I present are engaging to the reader, and will effectively teach them about public-key cryptography. I truly believe that knowing about public-key cryptography is a skill that can be used to protect yourself from the threat of eavesdroppers on unsecure networks, and that this report will help people from all walks of life. I am confident you will learn something new and useful from my paper that you can use for the rest of your life.

Respectfully,

A handwritten signature in black ink that reads "Matthew C. Sutton". The signature is stylized with a large, sweeping "M" and a cursive "Sutton".

Matthew C. Sutton
Student

Encl. Final Report