



October 18, 2017

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Dear Robert,

I am delighted to have the opportunity to continue our work together on the further development of the CAT-MH™ on your project "*Harnessing Computerized Adaptive Testing, Transdiagnostic Theories of Suicidal Behavior, and Machine Learning to Advance the Emergent Assessment of Suicidal Youth (EASY)*". Extending development of predicting suicidal behavior in children and adolescents is a project that we are eager to work on. Because of our earlier work together, I believe that we are in a unique position to provide IT support for the proposed grant application.

Over the five-year time frame of the project we have allocated effort in the following manner for years 1 through 5: 500 hours, 150 hours, 155 hours, 159 hours, 262 hours for a total of 1,226 hours. Based on our rate for consulting services of \$100/hour the total would be \$12,260.

We look forward to the chance to extend the application's cloud-computing architecture to enhance the review and retrieval of the data that is collected during test administration using computers, notebooks, tablets, smartphones and other mobile devices in a variety of settings and locations.

The cloud version of CAT-MH™ resides on a HIPAA-compliant, secure virtual server and all communication between it and the client (computer, notebook, tablet or mobile device) will use an encrypted transport layer (Secure Sockets Layer; SSL) for privacy and message integrity. The SSL layer is in addition to any encryption provided by an access point for wireless communication.

The data collected will be stored in an encrypted database with encoded identifiers that are free of any identifying human subject information. The database, along with the web application, will reside behind a secure firewall. The database will only be accessed by the web application and will not be 'exposed' to the web at all. No data will be stored on the client.

We look forward to our continued work with you and your distinguished colleagues.

Sincerely,

Dave Patterson
President
Discerning Systems Inc.