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nAlysis: A hard disk diagnostic tool

A Major Qualifying Project Report submitted to the Faculty of Worcester Polytechnic Institute in partial fulfillment of the requirements for the Degree of Bachelor of Science

Project Location:

Silicon Valley, California 2010

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Submitted to:

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Abstract

The goal of this project was to build a hard drive diagnostic tool which allows the user to execute ATA commands and interpret the results. The application can be used as a disk health monitoring utility and has scripting capabilities that can automate quality assurance processes. The functionality is wrapped inside a library of different modules with an API to allow users to write system specific implementations. The user interfacing is done via a command line interface.