

Thesis Portfolio

**Designing a School Related Application that Positively
Affects High School Students' Performance in School**

(Technical Paper)

**Investigating School Related Software
Applications' Effects on Academic Magnet
High School Students' Performance**

(STS Paper)

An Undergraduate Thesis

Presented to the Faculty of the School of Engineering and Applied Science
University of Virginia - Charlottesville, Virginia

In Fulfillment of the Requirements for the Degree
Bachelor of Science, School of Engineering

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Department of Computer Science

Sociotechnical Synthesis

In this thesis the STS paper and technical paper are highly related. The results of the STS paper, the effects of school related software applications on students' performance in school, are directly used to design a new app in the technical paper. The app combines the positive features that were found in the STS paper and removes any negative features. Without the STS paper, the technical paper could not have been written.

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