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# NVIDIA Android Tegra Thermal Management

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# NVIDIA Android Tegra Thermal Management

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A Major Qualifying Project Report:  
submitted to the Faculty  
of the  
WORCESTER POLYTECHNIC INSTITUTE  
in partial fulfillment of the requirements for the  
Degree of Bachelor of Science  
by

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Date: March 2014

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Abstract

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## **Abstract**

NVIDIA's SOC\_THERM hardware takes care of the thermal management on their Tegra chips. Originally, the hardware was managed on the software side by a library. We were tasked with documenting this library and eventually converting it into a platform driver. At the conclusion of our project, we were able to convert the SOC\_THERM library so that it conformed with the upstream Linux kernel standard for platform drivers.

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