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Sump Pump Alert System

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Final Project Report

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Submitted to:

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ABSTRACT

The sump pump is a crucial but often ignored part of the house; the secondary is more ignored. As far as I have seen, there has not been a product released to the public that will make sump pump any smarter or more interactive. When the secondary pump is working, it usually means tremendous amounts of water are flowing in or there is an issue with the primary. There have been products released to the market that sound an alarm when the sump pump has already overflowed. Unfortunately, these small devices only alert people if they are within earshot or when the damage has already occurred. This project will create an alert system that will inform the homeowner that the secondary pump is running. The alert system, which runs on a Raspberry Pi 2, will inform the homeowner by email, text message, and phone call.

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