

Abstract

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In my capstone, I converted our egg scrambler group project from a non-IoT device driven by physical buttons to an IoT device capable of receiving commands from a dedicated web application. This follows recent trends to make kitchen appliances that are as hands-off as possible, where users can start the cooking process from their computers and mobile phones. To make this IoT product a reality, I designed and coded the egg scrambler web application, wrote code for the Arduino to run a server, and researched security implications of IoT devices.

