Simple Security

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Goals

To create platform to control my lights from anywhere

Create a companion app for Android to control lights from my phone

Create an additional companion app for an Android Wear device to control the lights from there

Design Process

Researched method to control light

Implemented codesend application to send signals to outlets from command line

Created a web frontend using Flask and Angular

Created companion app for Android that sent HTTP requests to Pi

Files

App.py - The flask application that hosts the server and handles the HTTP requests. Acts as an interface between the browser and codesend

Codesend- The application that takes in a signal to sends and transmits the signal through the RF transmitter

App.js, Controllers.js - Angular files that control the browser, tell App.py what signals to send to Codesend

Lessons Learned

Learned to create a web application from scratch

Learned how to create a basic Android Application

Learned that programming on the wear is pretty hard

Learned some basic Pi programming

Final Product