PHILIPS

Philips Lighting Research North America
Cambridge, MA

Intern Position Information

Duration (~start/end dates): May to Aug, 2016

Dept/Project: IoT

Host/Supervisor: Talmai Oliveira <Talmai.Oliveira@philips.com>

Detailed Position Responsibilities:

Broadly speaking, the Internet of Things (IoT) is a system consisting of networks of sensors, actuators, and smart objects whose purpose is to interconnect "all" things, including everyday and industrial objects, in such a way as to make them intelligent, programmable, and more capable of interacting with humans and each other.

We are offering an internship in the area of crowd-sourced data acquisition and analysis for IoT systems with emphasis on lighting. The intern's tasks will include benchmarking IoT platforms, and then developing a data acquisition system to collect, in a crowd-sourced fashion, multiple sensor attributes, including spectrum-related insights, in a multitude of spaces (public, office, retail, etc).

Detailed Position Requirements: *(Degree/Experience/Skills)*

We are looking for a graduate level student (PhD preferred) in engineering other related disciplines. Experience in system prototyping, sensor networks, data analysis, and machine learning is required. Prior experience with spectral data acquisition for lighting systems is highly preferred. Coding experience in Python (numpy, scipy, matplotlib), or other programming languages is also required.

Candidate must be able to work within a team environment and should be self-motivated with the ability to plan and execute. Candidate should also be able to communicate in English effectively, both verbally and written.

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