**Fall Internship**

**Philips Research North America, Briarcliff Manor, NY**

Royal Philips Electronics is a world-wide diversified Health and Well-being company, focused on improving people’s lives through timely innovations. As a world leader in healthcare, lifestyle and lighting, Philips integrates technologies and design into people-centric solutions.

Philips Research, the research arm of Royal Philips Electronics, is a global research organization with laboratories in Europe, North America and Asia. We work on innovations and discoveries that help drive Philips products and opportunities. Philips Research North America (PRNA) focuses on healthcare systems, ultrasound imaging and therapy, biomedical informatics, and building energy management. We are located on a 100-acre campus overlooking the Hudson River, about an hour north of New York City.

**Position Responsibilities:**
The candidate will be working with a team to develop algorithms and architectures for a state-of-the-art building-wide lighting control system involving sensors, actuators, LED lights and daylight regulating devices. Candidate is expected to apply Control Systems / Machine Learning / Statistics concepts to the development, implementation and analysis of advanced lighting controls and management systems. The candidate will set up the experiments, measure the outcome and analyze the results. This will be a very good opportunity to gain experience and exposure on the cutting-edge solutions for building energy management and control toward green buildings.

**Position Requirements: Degree/Experience/Skills needed**
The candidate must be a graduate level student in computer science, EE or similar fields. The ideal candidate will demonstrate experience with:

- Application of machine learning and statistical techniques
- Control systems theory and system modeling
- Programming experience with C/C++/Java and Matlab, or other related tools
- Hands-on experience with public databases (e.g. MySQL)

Skills and experience in some of the following areas would be a plus:

- Design, execution and analysis of experiments
- Lighting systems
- Setting up experimental systems (software and hardware) and validate algorithms

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

**For Interns, Philips Research:**

- Reimburses travel expenses to our area at the start and end of the internship.
- Supports in home-finding services for short-term housing.
- Offers competitive pay.

**Send resume to:**

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We are an equal opportunity employer M/F/H.