Gabriele Spina
Nieuwstraat 29
Eindhoven 5611DA, The Netherlands

November 18, 2015

Data Science Department
Philips
High Tech Campus
Eindhoven

Dear Data Science Department:

It is with great interest that I am forwarding my resume to you for the full-time position "Data Scientist (Job Number: 182765-1)". I am applying for this job under the suggestion of Dr. Bert den Brinker and Dr. Dimitrios Mavroeidis with whom I had the pleasure to work with.

I graduated in Biomedical Engineering with honors and I am currently a last year PhD student at Philips Research (Smart Professional Spaces group) and at the department of Signal Processing Systems of TU/e.

My PhD focuses on analyzing data comprising physiological information and physical activity related to more than 1000 patients with chronic obstructive pulmonary disease (COPD). In particular, my efforts aim to investigate and further developed signal processing and machine learning methods to derive patient characteristics and behavioral patterns. The extracted information can be used to obtain new markers of patient's improvements and objective behavioral assessment under free living conditions.

During my PhD I developed solid programming skills with data analysis techniques such as topic models, clustering, statistical analysis, pattern recognition, classifiers.

Some specific accomplishments include:

- 1 journal paper published in the IEEE journal of Biomedical and Health informatics and awarded as research highlight by IEEE.
- 2 journal papers submitted to major medical journals.
- 3 patents filed by Philips.

My belief is that I could make significant contributions to your current and future projects and that my education and abilities will be employed to their full potential in this position.

I have enclosed my resume for your review. I look forward to hearing from you.

Sincerely,

Gabriele Spina