

Rory Dam

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Letter of Motivation

Dear Selection Committee,

My name is Rory Dam and I am a student at the University of Amsterdam enrolled in the Masters Information Science; Data Science track. I will be working on my Masters thesis full time for 12 weeks during the second semester of academic year 2023/2024. I am writing to express my interest in pursuing the master internship: "Illumination modelling and optimisation for streetlights in the public space". I have always been fascinated by the power of data to reveal insights that are not obvious to the naked eye and know that by working on this internship I will enable myself to delve deeper into the field of data science and simultaneously make a meaningful contribution to society.

The opportunity presented by the "Illumination Modelling and Optimization for Streetlights in the Public Space" internship deeply resonates with my enthusiasm for data analysis and model development. This role aims to leverage the physical and technical specifications of individual streetlights in conjunction with the urban context to automatically construct an illumination model for specific areas. I am excited about the prospect of engaging with this intriguing project. In addition, I am eager to contribute to the practical application of the illumination model. The potential applications, such as identifying areas of potential light pollution and optimizing illumination for energy efficiency while maintaining the necessary lighting levels, present complex challenges that align with my academic background in data-driven solutions.

What excites me the most about this internship is the immediate and meaningful impact it can have on the quality of life in Amsterdam. The potential to reduce light pollution and optimize energy usage through this project is a remarkable prospect, and I am motivated to contribute to this endeavor.

In conclusion, I am genuinely enthusiastic about the possibility of working on this challenging and socially relevant project with the City of Amsterdam. My academic background, coupled with my passion for data science and problem-solving, makes me well-suited for this role. I look forward to the opportunity to collaborate with your team to enhance the quality and sustainability of Amsterdam's public lighting. Thank you for considering my application, and I eagerly await the chance to discuss my potential contributions in more detail.

Yours sincerely,

Rory Dam