

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: "risk assessment for quay walls". 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.

There are several aspects of this internship that intrigue me. First and foremost, the prospect of conducting sensitivity analysis on the parameters within the ARK framework is a captivating challenge. Additionally, the chance to apply AI-based prediction models to enhance the framework by integrating various data sources aligns perfectly with my academic background in Data Science. I'm excited to employ cutting-edge techniques to improve risk assessment and contribute to the safety and longevity of Amsterdam's quay walls.

Besides the technical challenges of model development, I am excited about the potential to create a prototype dashboard as part of this internship. An interactive interface could offer valuable insights to the stakeholders involved in the maintenance and management of quay walls, enhancing decision-making processes.

What truly motivates me to undertake this internship is the opportunity to make a meaningful impact on society. Working alongside the City of Amsterdam, I am excited about the possibility of actively contributing to the well-being of the Netherlands and its people. I believe that the work I will undertake during this internship will not only further my academic and professional development but will also play a role in ensuring the safety and resilience of Amsterdam's vital quay walls.

In conclusion, I am enthusiastic about the possibility of working on this challenging and socially relevant project. I am confident that my academic background, passion for data science, and eagerness to learn and contribute will make me a valuable addition to your team. I look forward to the opportunity to collaborate with the City of Amsterdam to further enhance the safety and resilience of Amsterdam's quay walls. Thank you for considering my application, and I look forward to the chance to discuss my potential contributions in more detail.

Yours sincerely,

Rory Dam