

About the job

FM Global is a leading property insurer of the world's largest businesses, providing more than one-third of FORTUNE 1000-size companies with engineering-based risk management and property insurance solutions. FM Global helps clients maintain continuity in their business operations by drawing upon state-of-the-art loss-prevention engineering and research; risk management skills and support services; tailored risk transfer capabilities; and superior financial strength. To do so, we rely on a dynamic, culturally diverse group of employees, working in more than 100 countries, in a variety of challenging roles.

Internships for Fire Protection Research

Exciting and interesting technical challenges await when you join a world-class research team dedicated to reducing the impact of fire hazards.

Responsibilities:

During the internship, you will be given assignments of selected scope and complexity based on your skill levels, providing you the opportunity to learn. The internship will provide the opportunity to:

- Work on some of the most challenging technical problems and develop innovative machine learning (ML) solutions that will influence the future of fire risk assessment and mitigation.
- Collaborate with FM Global's research scientists, engineers, and technicians to develop and prototype machine learning models on intermediate- and large-scale experiments to extract physics insights and improve cost-effectiveness of testing.
- Present and discuss results within the research department and potentially publish new findings to conferences and journals.

The intern will be responsible to (1) review literatures and conduct research based on the assignment; (2) communicate the progress regularly and collaborate within the research team; (3) document and report results upon completion of the internship.

Qualifications:

Successful Graduate Interns have the following qualifications:

- Currently pursuing a Master/PhD degree in Machine Learning, Computer Science, Data Science, Statistics or related areas
- In-depth knowledge in statistical ML and deep understanding of predictive modeling and ML algorithms for supervised and unsupervised learning.
- Hands-on experience with ML application on practical problems.
- Proficiency in Python
- Demonstrated ability to conduct innovative research and publish findings in top-tier conferences and journals.
- Ability to thrive in a fast-paced environment, independently explore new, innovative ideas, and communicate and collaborate with team members.