

Job Description: Senior Financial Engineer, ESG / Climate Change

Four Twenty Seven, a climate risk analytics and market intelligence firm, is looking for a talented financial engineer with outstanding research skills to develop methodologies and generate models and analytical tools related to the financial risks of climate change. The ideal candidates will have experience in financial engineering and modeling, as well as researching industries, companies, and trends in the field of sustainable finance and ESG risk. They will have a talent for taking financial engineering skills and working with a set of interdisciplinary team of experts to develop innovative methodologies and models and quantify the impacts of climate change and social risk factors on financial markets.

The successful candidate will report to our executive team and collaborate with a dynamic team of in-house analysts and our growing network of climate scientists and economists to deliver cutting-edge research, analysis and modeling on the financial and economic impacts of climate change. Our customers are among the world's largest commercial, financial and government institutions.

Responsibilities

The key responsibilities include identifying and developing analytical tools for investors that the company can commercialize in relation to quantifying the physical aspects of climate change on financial markets. As part of this effort, the successful candidates will work with the R&D team to identify the strategic themes relevant to climate finance and climate policy developments. This position requires exceptional financial modeling skills, a deep interest the economics and social impacts of climate change, and the ability to work across boundaries and think outside the box to develop innovative solutions and models. The candidate must have the ability to understand and communicate systemic risks and the ability to translate complex quantitative and scientific findings into applied models and financial products.

Key Tasks

- Collaborate with our team of data scientists, economists and policy analysts to identify and quantify trends and developments on climate risk and resilience in financial markets.
- Support the development, test and integration risk analytic engines into the Four Twenty Seven climate risk analytics platform.
 - Help in the product development / release cycle by performing analytic programming and conducting functional tests and unit tests.
 - Assist clients integrating our products with their platform.
- Work with product management on the development of data products related to climate finance.
- Represent Four Twenty Seven at relevant investor related public events, conferences, webinars, client briefings and other professional meetings.

Requirements

- Master degree in finance, financial engineering or 3-5 [+] years of professional experience as financial analyst with financial engineering experience and training or researcher in related fields - preferably on topics related to climate change, environmental finance, energy and/or ESG.
 - Robust knowledge of quantitative financial theory (i.e. fixed income and credit risk)
- Rigorous analytical skills, sophisticated understanding of markets, economics and risk modeling.
- Self-driving, autonomous and responsible – must be able to meet deadlines.
- Robust understanding or demonstrated aptitude and willingness to quickly come up to speed on climate science and the key issues that surround climate risk, resilience and adaptation issues.

About Four Twenty Seven, Inc.

Four Twenty Seven (www.427mt.com) is an award-winning, climate risk analytics and market intelligence firm dedicated to building climate resilience through social innovation. Four Twenty Seven helps business leaders and investors understand how climate change will impact their assets, price climate change risk in economic decisions, and invest in resilience.

Four Twenty Seven's fast-growing capabilities include climate risk modeling, vulnerability assessments, development of metrics, ratings and indices for benchmarking and evaluating, climate adaptation strategies, and training and stakeholder engagement. Our team is comprised of highly qualified professionals with backgrounds in climate science, economics, finance, natural resources management, policy analysis, public health, and international development.

Four Twenty Seven was a finalist for the prestigious Cartier Women's Initiative Award (2014), earned Climate Change Business Journal Awards for Climate Risk Management and Adaptation (2014 and 2015), took first prize in the ESRI Human Health and Climate Change Challenge 2015, and, won the Verdantix Environment, Health and Safety Information Management Award (2016). The company was founded in 2012 and is headquartered in the San Francisco Bay Area, California.

To apply for this position

We are looking to fill several roles, either part-time or full-time, preferably based in Berkeley, CA. We offer a competitive compensation package, attractive benefits, and a flexible work environment with a team of highly motivated individuals and strong team spirit.

Target start date: August 29th, 2016. Applications will be considered on a rolling basis until the position is filled.

Note: we are unable to sponsor H1-B visa at this time and candidates must have a valid work visa or be a U.S. citizen / permanent resident.

To apply, send your resume, a cover letter and two writing samples to careers@427mt.com.