



Criticality
Sciences, Inc

NETWORKED INFRASTRUCTURE RESILIENCE

Position Description

Power Sector Technical Lead

Position Start Date

Summer 2021

Company Overview

Criticality Sciences, Inc. based in Alexandria, Virginia provides catastrophic risk analytics for critical infrastructure through software enabled consulting services. The company's mission is to create ubiquitous resilience against catastrophic failure.

Position Overview

The Power Sector Technical Lead will lead Criticality Sciences, Inc in providing resilience analyses to the power utility sector, with an emphasis on network failure analysis, product development, and business development for that sector. They may serve as the Principal Investigator on US government funded resilience research projects in the power utility sector. The Power Sector Technical Lead will be responsible for collecting and cleaning data, performing analyses using the Criticality Sciences software, writing documentation, supervising a small number of technicians supporting these tasks, and forming relationships with partners and utilities.

Desired Qualifications

Candidate must have research and engineering experience, with an advanced degree or equivalent research degree and experience in a related field of research. Multiple years of technical experience in the power industry, and education in any of the following fields, is highly desirable: electrical engineering, power systems, systems analysis, network science, statistics, simulation modeling, and resilience. Knowledge of programming and software engineering would be a useful bonus, e.g. PSS/E, MathLab, ETAP, PSCAD, Python, Advanced Excel. Successful candidates are expected to be highly motivated, have strong communication skills in oral and written English, and work effectively as leaders within a multidisciplinary team.

Salary and Benefits

Competitive salary, benefits, and equity.

Contact

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