About the Role

SESCO Enterprises, LLC is a proprietary energy trading firm. SESCO's primary focus is developing a dynamic approach to simulating the physical state of the US electrical grid while modeling the stochastic features that drive market prices and outcomes. This requires a research-oriented approach to portfolio optimization and risk management. SESCO demands a culture of innovation oriented toward systematizing the decision-making process and converting ideas and principles into models eliminating opportunities for error. Innovation and process improvement is necessarily executed in a highly iterative and collaborative manner with continuous feedback as we strive to optimize results. SESCO offers individuals as much responsibility as they can manage and compensates them accordingly.

Responsibilities

- Using Python, work directly with the Meteorology & Quantitative Trading teams to help develop new tools and applications that improve the forecasting preparation and production efficiency of the Meteorology Team.
- Gain an understanding of how energy markets operate, and the role meteorologists play every day.
- Ability to analyze current & future weather conditions and their impact on the energy market.

Qualifications

- Currently enrolled in an undergraduate/graduate meteorology program
- Experience with data processing using programming languages and relational databases (R, Python, SQL, etc.)

- Experience using the output of numerical weather models.
- Strong problem-solving skills and the ability to think critically and analytically.
- Excellent communication skills, both written and verbal, with the ability to convey complex meteorological information to non-experts.
- Ability to work independently and as part of a team.
- A natural curiosity about energy markets and the ability to develop forecasts that may be contrary to the consensus.
- Working knowledge of Microsoft Office Suite, especially Excel, Access, & PowerPoint

Preferred

- Minor in energy business finance, economics, computer science or math.

Benefits

- Working in an environment where you will have a great opportunity to learn from veterans in this field.
- Apart of an internship team of about 8-12 members covering various teams within the organization
- Fully integrated into the Meteorology Team's weekly schedule
- Competitive compensation

Additional Notes:

Please attach your resume and cover letter in an email to: **bdavenport@sescollc.com**

Application Deadline: **February 28th, 2024**

Internship Timeline: **May to August. You will be expected to come into the office 5 days a week (Mon-Fri)**

Interview Process:

Prior to interviewing, you must complete a programming examination in Python.

If selected for an interview, it will be conducted online via Microsoft Teams and will last 20-30 minutes.

If you have any additional questions, please feel free to email or message me on the following:

Email: bdavenport@sescollc.com

LinkedIn: Ben Davenport, @bendavenportpsu