Position: Associate Data Scientist

Location: 1885 St. James Place, Suite 800, Houston, TX 77056

Description: BroadVail Capital Partners is a commercial real estate private equity firm that manages a series of discretionary funds that provide growth capital to real estate operating companies across the U.S (all markets and sectors considered).

Quantitative analysis plays a key role in all facets of the investment process and the right candidate will partner with the firm’s investment staff, data science team, advisors in predictive analytics and economics as well as the firm’s real estate operators to deliver breakthrough analysis to support a winning strategy in a dynamic investment environment. The intersection of quantitative and investment analysis is ripe for those interested in charting a new course for real estate investment management and this high-impact role provides the opportunity to see efforts translate to action. Each team member is encouraged and positioned to own and manage end-to-end workflows in tackling data- and analytically-intensive economic problems and present their own work in intuitive and compelling ways. Our team is looking for enthusiastic, creative collaborators who continually adapt to the dynamic investment landscape and can thrive in a fast-paced environment.

This opportunity is predominantly an in-office (not remote) position located in Houston, TX.

All interested candidates should email recruiting@broadvail.com a minimum of a cover letter and a resume.

Specific responsibilities of the position include:

- Development of predictive and analytics methods and models to identify opportunities and inefficiencies that drive outperformance in real estate.
- Ownership of all stages of the data science life cycle from curating data (internal, external, and alternative) and exploration therein to validation/testing exercises and delivery of analytical solutions, visualization, and/or tools.
- Write and document efficient, modular, and dependable scripts for varying workflow processes.
- Ability to codify high-impact solutions from ambiguous starting conditions.
- Ad-Hoc research projects that will range widely in scope and focus.

Desirable Candidates:

- U.S. Citizen (or Permanent Resident) is required.
- Strong degree/background in a relevant field - Engineering, Computer Science, Mathematics and/or Physics (Bachelors at a minimum).
- Prior experience in finance is not required.
- At least 2+ years of experience in a data science/analytical position (exposure to applied projects); or 1+ years of experience in a finance/real estate data science position.
• Extensive experience developing algorithms and production-grade code (peer reviewed extensively and/or implemented on real systems)
• Proficiency in a major programming language: Matlab, Python, Perl, R, or other
• Demonstrated workflow and time management skills capable of advancing multiple projects with varying timelines
• Ability to work across non-standardized or standardized data-sets
• Highly developed research, communication, analytical and problem-solving skills
• Demonstrated ability to stay current with new business applications, technical skills, and research
• Self-starter who can work well within a team or independently
• Judgement – ability to work decisively under time pressure from time to time

Preferred (but not required):

• Experience working in R&D / prototyping up to production-level systems to deploy analytical solutions for specific applied problem sets
• General academic knowledge or working experience across computer vision, machine learning (deep learning), and/or alternative analytical methods
• Familiarity with working across databases (SQL/NoSQL, Hadoop, Spark)
• General knowledge about real estate data (data vendors, structured sources) and/or alternative data sources
• Experience with cloud infrastructures