Data Scientist

Remote US

The Company

1848 Ventures is a venture studio focused on consistently building, launching, and scaling a portfolio of B2B SaaS companies that harness the power of AI to fuel the future of small and medium sized business.

Backed by Westfield®, a respected leader in commercial insurance, 1848 Ventures extends beyond insurance by launching digital products that address the uncertainties that businesses face on a daily basis. We focus on industries that are the driving force of our economy including construction, real estate, hospitality, retail, and restaurants. Westfield's backing affords us the agility to explore innovative ideas, weather uncertainties, and pursue ambitious ventures with confidence.

Our talented team of hands-on venture builders, data scientists, engineers, and designers combined with repeatable playbooks allows us to rapidly validate, build, launch, and scale customer focused AI enabled startups.

At 1848 Ventures culture is not just a concept – it is the essence of what we do, our behaviors, rituals, and practices. It's the actions that enable our set of evolving relationships and the experiences they create. The culture is grounded in the practice of virtues. This enables our pursuit of excellence, which we express and measure by our actions. We act on these behaviors in the "how" of our work, our interactions with others, and the conduct we hold ourselves and others accountable to, individually and collectively.

Read on to discover how your skillset and experiences may help contribute to our approach.

The Opportunity

Come be part of a promising B2B SaaS venture supporting the profitable growth of small to medium sized e-commerce brands. Through the application of sophisticated AI and machine learning algorithms coupled with nudges grounded in behavioral science, Vandra enables brands to squeeze more sales out of their existing site traffic.

Vandra is seeking **Data Scientist** to join their team. You will be helping to ideate, develop, and iterate on statistical models that help predict online shoppers' behavior and drive meaningful sales growth for e-commerce brands through shopping experiences powered by a combination of AI/ML and behavioral science. You will be joining a team of data scientists and will get the opportunity to own models end-to-end, from EDA and feature engineering to model training and deployment. You will be collaborating with an extended team that includes data scientists, product managers and software engineers.

This role calls for someone who is entrepreneurial, moves fast, and is comfortable with ambiguity and quick direction change. Because this is a small team, you will be involved in all aspects of the product (and business)

development lifecycle. You should be comfortable working in environments you haven't seen before and learning new technologies as necessary.

Responsibilities

- **Model Development:** Design, develop, and deploy machine learning models tailored to e-commerce use cases, such as predicting user behavior, personalizing recommendations, and optimizing conversion rates.
- **Data Analysis:** Perform exploratory data analysis, feature engineering, and statistical modeling to extract actionable insights from web traffic data, user interactions, and transaction histories.
- **Algorithm Implementation:** Implement algorithms and models in production environments, ensuring scalability and efficiency to handle large-scale e-commerce data.
- **Collaboration:** Work with product managers, UX designers, and engineers to understand requirements and deliver data-driven solutions that enhance the user journey and increase conversions.
- **Experimentation:** Conduct experiments, A/B testing, and validation of models to ensure robustness and accuracy, optimizing for key e-commerce metrics such as conversion rates, average order value, and customer retention. Interpret experiment results and learnings.
- **Documentation:** Maintain thorough documentation of methodologies, processes, and results to facilitate knowledge sharing and reproducibility.
- **Innovation:** Stay current with the latest AI and machine learning developments, and proactively identify opportunities to apply new techniques to our e-commerce challenges.

Qualifications

- **Experience:** 5+ years of hands-on experience in data science, machine learning, or a related role.
- **Technical Skills:**
    - Proficiency in Python and SQL.
    - Experience with machine learning frameworks and libraries (e.g., TensorFlow, PyTorch, Scikit-learn).
    - Strong understanding of statistical methods and data analysis techniques.
    - Familiarity with data manipulation and analysis tools (e.g., pandas, NumPy).
    - Experience with data visualization frameworks and tools (e.g., Matplotlib, Seaborn) is a plus.
- **Analytical Mindset:** Strong problem-solving skills with the ability to translate complex data into actionable insights.
- **Communication:** Excellent written and verbal communication skills, with the ability to explain technical concepts to non-technical stakeholders.
- **Team Player:** Collaborative spirit with a proactive attitude and the ability to work independently when required.