Vico Homes

Graduate Data Scientist

Level:	Grade 6
Team:	Business Intelligence and Change
Line manager:	Business Intelligence Manager
Responsible for:	N/A

About the job

- You will pull together data to support strategic and operational decisions working closely with stakeholders across the organisation to uncover insights that help us serve our customers and colleagues better.

- You will be at the forefront of our AI and data journey—helping to improve data quality so that we can unlock the value of our data, identify quick wins, and support the mobilisation of AI to enhance services across the organisation.

You'll be trusted to

- Support data quality initiatives by identifying and resolving data issues.

- Contribute to ongoing digital transformation and automation projects.

- Develop and deploy data models, dashboards, and visualisations to support decision-making.

- Collaborate with service teams to identify opportunities where data and AI can improve outcomes for our customers.

- Assist in the design and implementation of AI-driven solutions (e.g., predictive maintenance, tenant engagement, resource optimisation).

- Conduct exploratory data analysis to uncover trends, patterns, and actionable insights.

- Support the development of data pipelines and ensure data quality and integrity.

- Engage with customers to better understand their needs, sharing best practice and bringing fresh ideas back to the workplace.

- Communicate findings clearly to both technical and non-technical stakeholders.

- Stay up to date with emerging tools, technologies, and best practices in data science and AI.

- Attend and represent Vico Homes at external networking events and external meetings sharing best practice and bringing fresh ideas back to the workplace.

- Carry out any other duties as directed by the line manager that are appropriate to the grade and overall purpose of the job.

Who you'll work with

Internal: Vico Homes colleagues at all levels

External: Other Housing Associations, Vico Homes Strategic Partners and Suppliers including IT Vendors, Disruptor and Innovation Networks, Tenants and Residents.

Our values

At Vico Homes our values drive us and run through everything we do. We're looking for someone to join us who can live those values like we do.

We are:

The Specifics

This section identifies the qualifications, skills and behaviours needed for an effective performance. Using these clarifies the personal qualities and workplace behaviours expected of the post.

Personal Skill Characteristics	Essential (Tick)	Desirable (Tick)	Method of Assessment (Code list below)
A recent graduate in Data Science, Computer Science, Statistics, Mathematics, or a related field.	✓		AF / CQ
Strong analytical and problem-solving skills with a keen interest in social impact.	✓		AF / I
Familiarity with SQL and working with relational databases.	✓		AF / I
Experience with Python, R, or similar programming languages.	✓		AF / I
Familiarity with data visualisation tools (e.g., Power BI, Tableau).	✓		AF / I
Understanding of machine learning concepts and basic model development.	✓		AF / I
Excellent interpersonal skills including the ability to communicate with a wide range of audiences.	✓		AF / I
Excellent report writing skills and experience of writing reports based upon own research	✓		AF / I
Delivers work to a high standard meeting deadlines	✓		AF / I
Experience of working successfully with others to achieve a shared objective	✓		AF / I
Experience with cloud platforms (e.g., Azure, AWS, or GCP).		✓	AF / I
Knowledge of data ethics, privacy, and governance principles.		✓	AF / I
Previous internship or project experience in a data-related role.		✓	AF / I
Passionate about using data for good and making a difference in people's lives.		✓	AF / I

Key
AF - Application Form
I -   Interview (this may include a presentation and occupational test where appropriate)
CQ   - Certificate of Qualification