Job title: Building Performance Engineer
Post Location: 121 George Street Glasgow, Scotland
Salary: £ 45,000–50,000 according to experience
Hours: Full Time 37.5h/week Mon–Fri. arbnco offers a flexible work environment

Job Brief

arbnco is looking for a Building Performance Engineer to join our AI-augmented Simulation team. You will be joining a fast-growing group of building scientists and engineers. You will be involved in a wide variety of technical aspects related to our products, from building energy modelling to data analytics and computer programming. Your responsibilities will also include determining product requirements, validating customer-reported issues, and collaborating with the other groups in our product development team. We seek candidates with a PhD or master's degree in mechanical, civil, electrical, or building engineering, along with expertise in building energy performance assessment. Strong problem-solving skills, Python programming skills, effective communication, and adaptability are essential for success in this role.

Responsibilities

As a Building Performance Engineer at our company, you will play a crucial role in shaping the future of our products as building energy modelling is a key component of our software platform. Your expertise will drive innovation, enhance functionality, and ensure we produce robust and validated results for our clients. Here are your key responsibilities:

- **Subject Matter Expertise**
  - Service as a domain expert across a wide range of technical aspects related to our products
  - Provide insights and guidance on complex technical challenges
- **Product Requirements and Feasibility**
  - Collaborate with management to determine requirements for future product versions
  - Evaluate feasibility and propose solutions aligned with business and market needs
- **Software Integration**
  - Integrate our modelling and simulation subsystems with our product platform for a cohesive and fully functional software system
  - Ensure seamless interactions between different components
- **Issue Verification and Validation**
  - Investigate and validate issues reported by customers and internal users
  - Propose and implement effective solutions to address these issues
- **Collaboration and Direction**
  - Work closely with the entire product development team
  - Help deliver the product roadmap and technology direction

Requirements

- **Education**
  - PhD or master's degree in mechanical, Civil, Electrical, or Building Engineering.
  - Specialization in building energy performance assessment is essential.

- **Experience**

  - In-depth knowledge of the science of building energy usage and building retrofit analysis.
  - Proven experience in software development projects, especially Python.
  - Familiarity with software development methodology, piloting, and release processes.
  - Track record of establishing product route-to-market strategies.
  - Effective communication of research and development results to colleagues.
  - Exposure to test- and customer-driven development.
  - Proficiency in using software engineering tools.

- **Skills and Attributes**
  - Strong problem-solving skills to tackle complex technical challenges.
  - Excellent written and verbal communication skills.
  - Enthusiasm, self-motivation, and effective workload management.
  - Ability to work collaboratively as part of a team.
  - Flexibility and openness to new challenges.

About arbnco

arbnco offers a cloud-based software platform for delivering commercial real estate improvement analysis to determine retrofit strategies for mitigating risk and improving financial performance of commercial real estate by:

- Reducing risk associated with inefficient property within the context of climate change
- Improving asset investment performance, reduce operation costs and increase value
- Cost effectively generating strategic energy reduction scenarios
- Expediting and safeguarding transaction processes and open site specific retrofit opportunities.

arbnco is transforming the way commercial real estate looks at energy efficiency improvements. We started our journey in 2009 with an idea and a rented desk in central Scotland. Since then, we have grown into one of the leading software providers to the UK real estate market, working with some of the world's largest property investors. Together with our clients and their customers, we are saving energy, saving money, and helping reduce carbon emissions.

This falls under Visa & Immigration SoC Code 2121 Civil Engineers

Closing Date for post – 31st July 2024
Start Date- As soon as possible.
Please apply via email to: info@arbnco.com
Please ensure you supply a cover letter and an up-to-date CV.