



benshi.ai

DATA SCIENTISTS & MACHINE LEARNING ENGINEERS

benshi.ai is a fast-moving start-up supported by the Bill and Melinda Gates Foundation.

We are looking for top data scientists and machine learning engineers. You should be excited about using cutting-edge technologies to improve health outcomes for real-life communities.

Join us in our vision to reduce global health inequalities with AI. Using the latest behavioral machine learning and personalization techniques, we provide data-driven insights to medical care teams and patients in poor communities. The positions are based in our Barcelona headquarters. Visas will be provided. However, we are also open to candidates preferring to work remotely from their home locations.

To apply, send us a note with your resume to hello@benshi.ai

www.benshi.ai



Responsibilities

(At least two, depending on the position)

- Support the engineering and data science teams in the development of data science and ML models targeting human behavior, treatment personalization, and healthcare delivery optimization, for their incorporation into our digital platform
- Design, implement and validate experiments to assess the impact of actions taken by our partners, both app-based and in real life
- Support the engineering and data science teams in the machine learning lifecycle management: definition, initial implementation, evaluation, and deployment
- Formulate research problems that address health inequities and independently conduct high-quality research

Basic Qualifications

(At least three, depending on the position)

- BSc/BEng degree in mathematics, statistics, biostatistics, life sciences, physics, computer science, epidemiology, machine learning or related fields; or equivalent technical proficiency
- Experience in clinical AI, and/or data science or machine learning for healthcare and/or digital health
- Experience in experimental design and/or causal inference
- Comprehensive knowledge of machine learning foundations and experience with its applications
- Solid coding skills in Python or R

Preferred Qualifications

- MSc/MEng or PhD in mathematics, statistics, biostatistics, life sciences, physics, computer science, data science, health outcomes, epidemiology, machine learning, or related fields; or equivalent research experience
- Solid statistical and/or machine learning background knowledge about the application of data science and AI technologies in areas relevant to healthcare: population health assessment, epidemiology, clinical trial research, gamification for healthcare, clinical decision support, machine learning-based behavioral modification, and/or medical supply chain optimization
- Experience with healthcare data and EMR
- Experience in clinical trial assessment and/or causal inference for healthcare
- Knowledge of advanced statistical techniques for A/B testing, bayesian experimental design, quasi-experiments, statistical matching techniques, observational causal inference and/or structural equation models
- Knowledge of causal inference machine learning and sensitivity analysis
- Experience in deep learning and its frameworks (TensorFlow, Keras, Caffe, Theano...)
- Experience in time series forecasting, survival analysis, ensemble learning, recommendation systems, and/or natural language processing
- Experience with software development tools, source control, issue tracking, and continuous integration

