PROPORTUNITY

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Giving First-Time Home Buyers a Helping Hand With Artificial Intelligence

Proportunity is an innovative mortgage lender leveraging machine learning (ML) to make home ownership achievable for more Londoners. Proportunity uses ML to train models that can accurately forecast house prices region by region and identify those with growing value. Forecasts predict with enough confidence for Proportunity to arrange equity loans against realistic future prices. After testing various CPU- and GPU-based systems, the company relies on Intel® Xeon® Scalable processors and Intel-based Google Cloud instances for both its AI training and inference. Intel engineers shared their expertise and helped Proportunity improve the speed and accuracy of models, by simply switching to Intel optimized libraries, Intel® Optimization for TensorFlow and Intel® Distribution for Python.

"Proportunity incubated at the Google campus, and, since our ensemble favors CPUs, it became a natural choice to go for a CPU-only Google Cloud Platform (GCP) cluster. Augmenting the value of already being a Google user, a GCP cluster allowed us to continue to develop on Intel Xeon Scalable processors, which are ideally suited for machine learning."

Sreekumar Balan, Research Team Lead, Proportunity

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