Next Generation Machine Learning for Mobile and Embedded Platforms
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Most companies are only thinking about heavyweight machine learning: huge cloud servers with big cost, big latency, and big privacy implications. At Qeexo, we think about the billions of small, microcontroller-powered devices that occupy our world and would benefit from intelligence. We’ve spent the last five years developing a lightweight machine learning platform and embedded engine that enables radical new capabilities on device categories previously overlooked. Typically, on such constrained platforms, one must choose between latency, model size or classification accuracy, but this need not be the case with the right tools and algorithms. In the talk, I will discuss some exemplary commercial uses of Qeexo’s engine, and the processes and suite of tools we used to deliver new interactive experiences to hundreds of millions of end users.