



CERTIFICATE *of* ACHIEVEMENT



A handwritten signature in black ink, appearing to read "Ameet Talwalkar".

Ameet Talwalkar

Assistant Professor of Computer Science
University of California, Los Angeles

Visiting Assistant Professor
Department of Electrical Engineering
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University of California, Berkeley

Technical Advisor
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This is to certify that

Mark Jarrell

successfully completed and received a passing grade in

CS190.1x: Scalable Machine Learning

a course of study offered by BerkeleyX, an online learning
initiative of The University of California, Berkeley through edX.

VERIFIED CERTIFICATE
Issued August 06, 2015

Verify the authenticity of this certificate at
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