



CERTIFICATE *of* ACHIEVEMENT



A handwritten signature in black ink that reads 'Ameet Talwalkar'.

Ameet Talwalkar

Assistant Professor of Computer Science
University of California, Los Angeles

Visiting Assistant Professor
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Technical Advisor
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This is to certify that

Frank Hahn

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

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