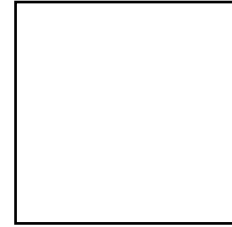




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This is to certify that

Jelmer de Boer

successfully completed and received a passing grade in

Spark Fundamentals II

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November 12, 2019

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