

# Verified Certificate



This is to certify that

**Abeer Rajendra Karandikar**

successfully completed and received a passing grade in

**FC1x: Fat Chance: Probability from the Ground  
Up**

a course of study offered by HarvardX, an online learning  
initiative of Harvard University.



**Verified Certificate**  
Issued August 5, 2020

**Valid Certificate ID**  
[2ea1d715278c47e291cf51e5ff086c30](https://courses.edx.org/certificates/2ea1d715278c47e291cf51e5ff086c30)

A handwritten signature in black ink, appearing to read "B. Gross".

**Benedict Gross**  
Leverett Professor of Mathematics, Emeritus  
*Harvard University*

A handwritten signature in black ink, appearing to read "Joe Harris".

**Joseph Harris**  
Higgins Professor of Mathematics  
*Harvard University*

A handwritten signature in black ink, appearing to read "Emily Riehl".

**Emily Riehl**  
Assistant Professor, Department of Mathematics  
*Johns Hopkins University*