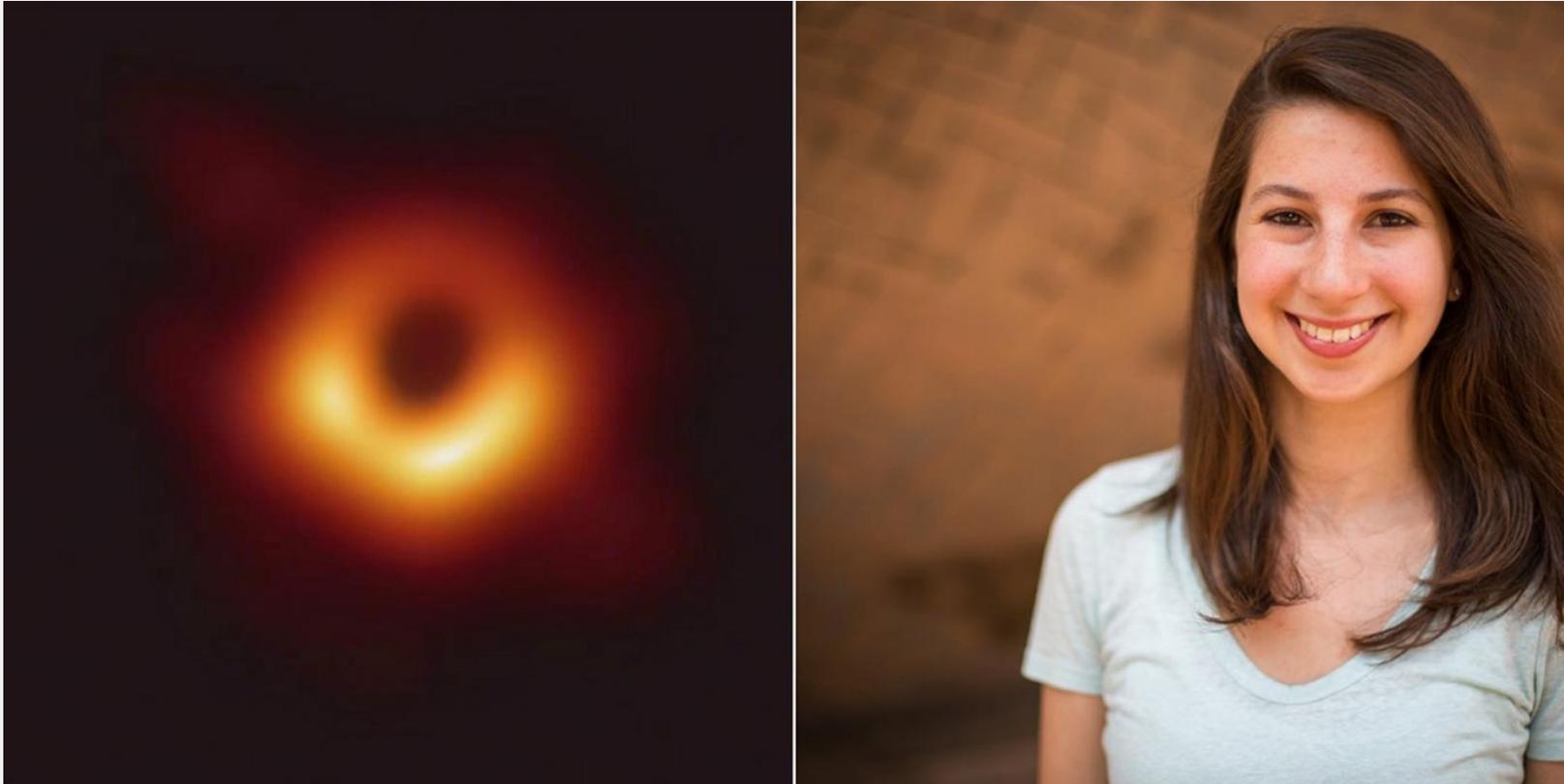


Computer Science in the news...



The **CHIRP** (Continuous High-resolution Image Reconstruction using Patch priors) algorithm is a [Bayesian](#) algorithm to perform a [deconvolution](#) on images created in [radio astronomy](#)

Probability Questions

- Suppose there is a lottery where a 4 digit number is chosen randomly. (For example: 0000, 0106, 9987,...). What is the size of the sample space?
- Suppose you win some money if your number matches exactly, or has the same digits in 3 out of the 4 positions. What is the probability that your number matches in 3 out of 4 positions?
- What is the probability that you don't win any money?