

CS50 Certificate

CS50 congratulates

**Ersin Mutlu**

on completion of CS50x, including ten  
problem sets, nine labs, and one final project.

Awarded from Cambridge, Massachusetts,  
in the year two thousand twenty-three.



**David J. Malan**

Gordon McKay Professor of the Practice of Computer Science  
Harvard University



<https://cs50.harvard.edu/certificates/2deece42-bfdd-4169-8a61-35bfe248eec6>

