

CS50 Certificate

CS50 congratulates

**Ibrahim Mammadli**

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  
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<https://cs50.harvard.edu/certificates/08631dd5-f864-4c07-b171-bbc176a6a077>

