

CS50 Certificate

CS50 congratulates

Alexandre Costa de Luna Freire Filho

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

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



David J. Malan

Gordon McKay Professor of the Practice of Computer Science
Harvard University



<https://cs50.harvard.edu/certificates/93c55534-6b89-4431-8111-4551ca39446a>

