

CS50 Certificate



CS50 congratulates

**Rafael Ramalho Vilela**

whose team scored among the highest in CS50x Puzzle Day 2023.

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

A handwritten signature in black ink, appearing to read 'David J. Malan', written in a cursive style.

**David J. Malan**

Gordon McKay Professor of the Practice of Computer Science  
Harvard University

