

CS50 Certificate



CS50 congratulates

**Frank Liu**

whose team solved 9 out of 9 puzzles in CS50x Puzzle Day 2024.

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

A handwritten signature in black ink, likely belonging to David J. Malan.

**David J. Malan**

Gordon McKay Professor of the Practice of Computer Science  
Harvard University



<https://cs50.harvard.edu/certificates/c3fdc85a-df52-4713-a569-d5aca7e00a99>