## Verified Certificate



This is to certify that

David J. Malan

Gordon McKay Professor of the Practice of Computer Science

Harvard University

## **Marcel Gast**

successfully completed and received a passing grade in

## **CS50x: CS50's Introduction to Computer Science**

a course of study offered by HarvardX, an online learning initiative of Harvard University.



**Verified Certificate** Issued Juni 17, 2022 Valid Certificate ID b3e14225979d44ab97abe941ea8f7878