

**Verified**  
Certificate

**Harvard**X



David J. Malan

Gordon McKay Professor  
of the Practice of Computer Science  
*Harvard University*

This is to certify that

**Abigail Barnes**

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 June 5, 2023

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