Kayvon Fatahalian
Associate Professor of Computer Science

Bio

BIO
Kayvon Fatahalian is an Associate Professor in the Computer Science Department at Stanford University. Kayvon's research focuses on the design of systems for real-time graphics, high-efficiency simulation engines for applications in entertainment and AI, and platforms for the analysis of images and videos at scale.

ACADEMIC APPOINTMENTS
- Associate Professor, Computer Science
- Member, Wu Tsai Human Performance Alliance

Teaching

COURSES
2023-24
- Computer Graphics: Rendering, Geometry, and Image Manipulation: CS 248A (Win)
- Parallel Computing: CS 149 (Aut)
- Visual Computing Systems: CS 348K (Spr)

2022-23
- Computer Graphics: Rendering, Geometry, and Image Manipulation: CS 248A (Win)
- Parallel Computing: CS 149 (Aut)
- Visual Computing Systems: CS 348K (Spr)

2021-22
- Interactive Computer Graphics: CS 248 (Win)
- Parallel Computing: CS 149 (Aut)
- Visual Computing Systems: CS 348K (Spr)

2020-21
- Interactive Computer Graphics: CS 248 (Win)
- Parallel Computing: CS 149 (Aut)
- Visual Computing Systems: CS 348K (Spr)
STANFORD ADVISEES

Doctoral Dissertation Reader (AC)
Karan Goel, Yifeng Jiang, Yongxu Jin

Orals Evaluator
Karan Goel, Yilin Zhu

Doctoral Dissertation Advisor (AC)
James Hong

Master’s Program Advisor
Henry Ang, Miguel Fuentes Hernandez, Scott Hickmann, Jared Isobe, Hansub Kim, Miranda Liu, Jose Medina, Huy Nguyen, Shruti Sridhar, Thanh Tieu, Jared Watrous, Danica Xiong, Sylvia Yuan

Doctoral (Program)
David Durst, Dan Fu, Purvi Goel, James Hong, Vishnu Sarukkai, Brennan Shacklett

Publications

PUBLICATIONS

- AHA: An Agile Approach to the Design of Coarse-Grained Reconfigurable Accelerators and Compilers *ACM Transactions on Embedded Computing Systems*
  2023; 22 (2)