

# Stanford

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## Kayvon Fatahalian

Associate Professor of Computer Science

### Bio

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#### 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, rendering systems for machine learning, and the analysis of images and videos at scale.

#### ACADEMIC APPOINTMENTS

- Associate Professor, Computer Science

### Teaching

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#### COURSES

##### 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

- Computer Graphics: Image Synthesis Techniques: CS 348B (Spr)
- 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)

##### 2019-20

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

#### STANFORD ADVISEES

##### Orals Evaluator

Sumith Kulal

##### Doctoral Dissertation Advisor (AC)

Haotian Zhang

**Master's Program Advisor**

Eva Batelaan, Samaksh Goyal, Carmen Gutierrez, Jared Isobe, Hansub Kim, Linden Li, Zeb Mehring, Huy Nguyen, Tristan Sinclair, Sylvia Yuan, Ada Zhou

**Doctoral (Program)**

David Durst, Dan Fu, Purvi Goel, James Hong, Fait Poms, Vishnu Sarukkai, Brennan Shacklett, Haotian Zhang

**Publications**

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**PUBLICATIONS**

- **AHA: An Agile Approach to the Design of Coarse-Grained Reconfigurable Accelerators and Compilers** *ACM Transactions on Embedded Computing Systems*  
Koul, K., Melchert, J., Sreedhar, K., Truong, L., Nyengele, G., Zhang, K., Liu, Q., Setter, J., Chen, P., Mei, Y., Strange, M., Daly, R., Donovanick, et al  
2023; 22 (2)