Eric Rawn

erawn@berkeley.edu (He/Him)

Projects and Portfolio at
www.ericrawn.media

Education

University of California, Berkeley

Ph.D Computer Science Human-Computer Interaction — Aug 2021 - Present

Advised by Eric Paulos

Stanford University

M.S. Computer Science *Human-Computer Interaction* — Sept 2020 - Jun 2021

B.S. Computer Science *Graphics* — Sept 2016 - Jun 2020

Publications

Eric Rawn, Jingyi Li, Eric Paulos, Sarah Chasins. *Understanding Version Control as Material Interaction with Quickpose.* In Proceedings of ACM CHI 2023.

Ingi Helgason, Michael Smyth, Inge Panneels, Susan Lechelt, Jonas Frich, **Eric Rawn**, and Bronnie Mccarthy. *Digital Skills for the Creative Practitioner: Supporting Informal Learning of Technologies for Creativity.* In Extended Abstracts of the 2023 ACM CHI

Eric Rawn and Jingyi Li. *Laser Cut Gels for Lighting Design.* In Extended Abstracts of ACM CHI 2020.

Tzu-Sheng Kuo and **Eric Rawn**. *Let It Rip! Using Velcro for Acoustic Labeling.* ACM UIST 2020 Adjunct (Poster)

Invited Oral Papers, Presentations, and Lectures

"Making Sense, Crystallizing Reason: an Intellectual History of Pervasive Computing at Xerox PARC" Special Interest Group in Computing, Information, and Society (SIGCIS) Annual Meeting, November 13, 2022.

"Mark Weiser and the Invisible Computer" Guest Lecture, FILM R1A: The Interface. UC Berkeley. April 26, 2023

"Representation and Rationality in Computation: From Hegel to Herbert Simon" Symposium: Psychedelia and Computing: How to Bifurcate Cybernetics? UC Berkeley Center for Science, Technology, Medicine, and Society. Apr. 2023

Experience

HCI Research Assistant Stanford University
Jun 2019 - Jun 2021

Mentor: Jingyi Li, Stanford HCI
Contributed conceptually and technically to a novel fabrication method for bespoke clothing.

Algorithms Intern Shaper Tools
Jun- Sept 2020

Manager: Alec Rivers
Wrote a remote continuous-integration testing harness for compiling performance metrics on embedded hardware. Profiled embedded C++ applications and contributed fixes which reduced device startup time by 65%+. Developed multiple experimental interactions for contextual vector design tools.

Artist Assistant Stanford University
Sept 2019 - Mar 2020

Created an installation for Terry Berlier with 25 connected stepper motors, driven by a MIDI-based interface.

Prototyping Studio Technician
Sept 2018 - Mar 2020

Dept. of Art Practice, Stanford University
I made tutorials and development tools for VR, 3D Printing, Projection Mapping, and fabrication devices, helped students plan and execute digital and physical projects, and instructed the use of CNC tools and digital software.

Teaching

Design Frameworks: History and Methods Graduate Student Instructor, Masters of Design Course, UC Berkeley, Spring 2022

Design Thesis Studio Graduate Student Instructor, Masters of Design Course, UC Berkeley, Fall 2022

Digital Workshop for Artists Instructor, Stanford University Spring 2020 (Remote)
Designed and taught an introductory digital art course centered around critical practice with code. Instructed both technical and conceptual skills through projects and readings.

Digital Workshop for Artists Instructor, Stanford University Fall 2019
Designed and taught an introductory programming and electronics class designed for individual arts practice and practical skills.

Critically Thinking About Video Games Instructor, Stanford University Fall 2017
Taught a novel supplementary course to Stanford's Art Immersion Curriculum in Digital/ Interactive media, discussing political, economic, and social perspectives on interactive media as an industry and art form.

Service

Reviewer
CHI '23, UIST '23, DIS '23

Undergraduate HCI Research Group Organizer   Aug 2021-Aug 2022
Hybrid Ecologies Lab, UC Berkeley

HCI Reading Group Organizer   Jun 2020 - Sept 2020
Stanford Human-Computer Interaction Group

Student Volunteer   Oct 2020
UIST 2020

Talks and Events

Art and Tech Salon Panelist   March 6, 2021
Stanford Institute for Human-Centered AI and Stanford Arts

Student Lightning Talk   March 25, 2021
Stanford Institute of Human-Centered AI Annual Conference

Awards

ACM History Committee Fellowship   Mar 2022 - Mar 2023
To encourage historical research, the ACM History Committee supports up to four research projects each year with awards of up to $4,000 each.

SIGCIS Travel Grant   Jul 7, 2022

Berkeley Center for New Media Travel Grant   Oct 4, 2022