

Shuang Cai 蔡爽

Cornell University 29'

PhD Design and Environmental Analysis

New York University 23'

MPS Interactive Telecommunication Program

Bard College 21'

BA Studio Art and Computer Science, concentration: Experimental Humanities

Awards, Fellowships, and Grants:

2026 Graduate Fellows Program in the Center for Teaching Innovation (CTI) \$2000

2026 Cornell Human Ecology Summer Fellowship \$7,427

2025-26 Cornell Teaching Fellowship (Full Tuition and Stipend for Spring and Fall) \$35,661

2025 Backslash Microgrant USD \$500

2025 Fellowship for the Center for Racial Justice and Equitable Futures USD \$500

2025 Apossible Fellowship USD \$7000 (Equally shared with one more collaborator)

2024 Innovation Award at Channel Synesthesia Challenge

2024 Curatorial Fellowship at NARS Foundation \$3000

2023 4pt0 Tiny Fellowship \$5500

2023 Postdoctoral Research Fellowship at NYU ITP (12 Months Fully Stipended Research Funding)

2022 Wasserman Internship Grant (Summer 2022) \$1000

2021 - 2022 NYU TSOA (Tisch School of the Arts) Scholarship \$20000

2019 Bard College Peer Counselor of the Month

2018-2021 Bard College Dean's List

Paper Publications:

First Author, Creative and Cognition 2026, ACM Library, Making Exhibitions as We Research Through Art: The Exhibition Operations Kit

First Author, Creative and Cognition 2026, ACM Library, Inter:Lace -- An Antagonistic Wearable for Outsourcing Social Self-Regulation

First Author, CHI EA 2026, ACM Library, [MistMaker and Large Language Model MistMaker\(LLMMM\): LLM Operated Mist Making](#)

First Author, Princeton Journal of Interdisciplinary Research, Volume 1, Issue 3 — Bridging Horizons (March 2026) - ISSN 3069-8200, [From Roles to Realities: Participatory Speculative Art as a Tool for Gender and Reproductive Futures](#)

First Author, TEI 2026, ACM Library, [Hardware Reincarnation: The Electronic Vape Synth and Other Upstream Salvaged Circuit](#)

Second Author, Creative and Cognition 2024, ACM Library, [Body and Code: A Distributed Cognition Exploration Into Dance and Computing Learning](#)

Reviewer Experience:

General Submission Committee Member, TEI 2026

[International Program Committee Member, ISEA 2025](#)

General Submissions External Reviewer, SIGGRAPH 2025

Writing Publication Works:

- 2026 Writer, Impulse Magazine, “Heats. Afloats. Balls: Ruoxin Sun’s Solo Exhibition at Tutu Gallery Repetition. — June Editors’ Selects”
- 2026 Writer, Artron, “在舞台与观众之间的人 – 吴峥的表演与主持艺术”
- 2026 Writer, CultByte, “On Algorithmic Blind Spots, Repetition, and the Optimized City – A reading of URBAN SURVIVORS? at Nguyen Wahed by artist Maya Yameng Li”
- 2026 Writer, ASAP Journal, “Uncanny Juxtaposition / Digestive Organs: Community Spaces as Sites of Artistic Metabolism — From Inner Feast’s psychological banquet to Group Lick’s sculptural residues”
- 2025 Writer, Yishu, “Adrift in the Middle Ground — A Dive into Tong Wu’s Media Practice”
- 2025 Writer, Tomorrow Lab, “The Softness of Hard Things: Open-Source Hardware at Tomorrow Lab”
- 2024 Writer, ASAP Journal, “Reclaiming History Through Ephemerality and the Body in Torsos in Rain”
- 2024 Writer, :iidrr Review, “The Digital Body as a Site of Performativity and Disruption: A Critical Review of FEYU’s Work”
- 2024 Writer, Passing Note, “Breath In (↑) Breath Out (↓) with Embodied New Media Art”
- 2024 Writer, Culture Hub, “Scam with Authenticity”
- 2024 Writer, 中国艺术芭莎 Bazaar Art China, “Art Touches the Heart! A Mother and Daughter’s 9-Year Collaboration Results in a Book Called Jinmei (艺术触动心灵！母女9年共创一本书叫《晋美》)”
- 2024 Writer, 雅昌 Artron Art, “Shuang Cai: Nomadi Artist Jessica Wee’s Solo Show and Group Show ‘Red Threads’” 蔡爽：游牧艺术家 Jessica Wee 个展与群展“红线” - 雅昌新闻
- 2024 Writer, Indienova, “Representing the Relationship Between Human Cognition and Artificial Environments Through Play (《心之息，壁之影》—用游戏体现人的认知与人造环境的关系)”，
- 2023 Writer, Art Insider, [Kinetics as Medium: Juxtapositions And Metaphors In Lu Lyu’s Sculptures](#)
- 2023 Editor, [Adjacent Magazine Issue 10 “Ecoscope,”](#)
- 2020 Visual Artist, 无岸 Off Shore Literary, “Philosophical Suicide”
- 2020 Illustrator, *Be My Mirror*, Published Book by Yuting Wu
- 2019 Photographer, *Bard Paper*, “Last Films of Rolls”
- 2018 Photographer, *Free Press Magazine*, “Do Not Park Here”

Curatorial Projects:

- 2026 [The Overslept Mayfly](#): Ailyn Lee & Tianshu Zhang, Latitude Gallery, New York, Curator
- 2026 “Perversion of Interfaces”, [Bi-City Biennale of Urbanism/Architecture](#), Shenzhen, China, Participants
- 2025 “All About A Little Bit Fat”, All Street Gallery, New York, Solo Show
- 2025 [“Ye Cheng and Xinran Guan: The Time It Takes to See”](#), Latitude Gallery, New York, Curator
- 2025 “Perversion of Interfaces”, Martha Van Rensselaer Gallery, Ithaca, Group Show Curator
- 2025 “Toolish Behavior”, Clive Davis Gallery, New York, Group Show Curator
- 2025 “Doki Doki! Tutu’s Delivery Service”, Tutu Gallery, New York, Two-person Show Curator
- 2025 [“2, 4, 8, 17, 32”](#), All Street, New York, Solo Show Curator
- 2024 [Anchored](#), LATITUDE Gallery, New York, Staff Group Show Curator
- 2024 [Growing](#), NARS Foundation, New York, Group Show Curator
- 2024 [Male Pregnancy](#), :iidrr, New York, Solo Show Curator
- 2024 [A Window at A Space](#), A Space, Brooklyn, Group Show Co-Curator
- 2024 11:59, theBlanc, New York, Group Show Co-Curator
- 2024 [Bodiless Body](#), NARS Foundation, New York, Group Show Curator
- 2024 [Labels? Labels! TBD](#), :iidrr, New York, Group Show Co-Curator
- 2024 [Make room for words.](#), Accent Sister, New York, Solo Show Curator

2024 [Untold Tales](#), LATITUDE Gallery, New York, Solo Show Curator
 2023 [SPAMTEMBER](#), All Street, New York, Group Show Curator
 2023 [Queer Anxiety](#), All Street, New York, Group Show Co-Curator
 2023 [Phantasmagoria](#), LATITUDE Gallery, New York, Solo Show Curator
 2023 [Queer Knowing](#), All Street, New York, Group Show Co-Curator
 2023 [Useless Machines](#), theBlanc, New York, Group Show Co-Curator
 2023 [A Little Good For a Long Time](#), LATITUDE Gallery, New York, Solo Show Curator
 2023 Absurd Hotel, ITP/IMA Winter Show, *New York, USA*
 2022 [Lambent Fire](#), LATITUDE Gallery, New York, Solo Show Curator
 2022 [Time Feast](#), LATITUDE Gallery, New York, Solo Show Curator
 2022 [ADJUSTED for Inflation](#), KunstraumLLC, New York, Curatorial Assistant
 2022 [Gem Box](#), LATITUDE Gallery, New York, Group Show Curator
 2022 [Jessica Wee: Plusieurs Rêves,](#) LATITUDE Gallery, New York, Solo Show Curator
 2022 [Three-Legged Crow](#), LATITUDE Gallery, New York, Group Show Curator
 2022 [Conceive](#), LATITUDE Gallery, New York, Group Show Curator
 2021 [chi-ri\(迟日\)](#), Enjoy Museum of Art (悦美术馆), Beijing, Co-curator
 2021 [Light in the Shadow](#), aolab, Shanghai, Co-curator/Organizer
 2021 [It's time to reduce the backlog!](#), LATITUDE Gallery, New York, Curatorial Assistance

Talks, Workshop, and Guest Speaker:

2026 中国眼谷(China Eye Valley), Wenzhou, China, Making Friends Workshop
 2026 Accent Sisters, New York City, USA, Hatching of the Future Machines Talk and Workshop
 2026 All Too Human Art and Technology Triennial, Connecticut, USA, New ART Clinic Workshop
 2026 ACM TEI, Chicago, USA, [Hardware Reincarnation: The Electronic Vape Synth and Other Upstream Salvaged Circuit](#)
 2025 Scalable HCI, Southern University of Science and Technology, Shenzhen, China, MistMaker
 2025 [Politics of Machine – Synthetic Sentience](#), The Institute of Advanced Studies, The University Of Western Australia, Perth, Australia, Scents of Us
 2025 Open Source Hardware Association Monthly Certification Show and Tell: MistMaker
 2025 Open Studio Hosting for Invisible Interaction at New York University, Interactive Media Art and Interactive Telecommunications
 2025 Vape Synth – Upcycle old electronics at Cornell Department of Design + Environmental Analysis
 2025 Open Source Hardware Association Monthly Certification Show and Tell: Suitcase Synth
 2024 [CUNY IDS Common Ground](#): Co-designing Embodiments in Art and Computing Education
 2024 Open Source Hardware Association Membership Drive Presentation
 2024 Parsons BFA Senior Guest Curator Mock Panel
 2024 Open Hardware Summit Long Presentation – Elf Synth (Vape Synth)
 2024 Panel at Interaction as Art Medium at New York University Interactive Media Art
 2024 Dime Square Tours Chinatown LATITUDE Gallery Walk-Through
 2023 Panel Discussion and Workshop – Accent Sister – Word Game Editor & Make room for words
 2023 Curator Walkthrough – theBlanc Gallery – Useless Machine
 2022 Curator Walkthrough – LATITUDE Gallery – Yanyan Huang | Time Feast
 2022 Artists Salon – Kunstraum LLC – August Artists Salon

Solo Exhibits:

2021 [Self & Self](#) (thesis solo showcase), Fisher Exhibit Center, Annandale-on-Hudson, NY

Group Exhibits:

2026 "Primary Care Tree", WIP Art Fair, the Blanc, New York, USA
2025 "Friends", [After Hours](#), Accent Sister, *New York, USA*
2025 "vending shuang", [Beyond Interface & Prompt: Exploring the Language of Technology in Contemporary Art](#), Williamsburg Art and History Center, Brooklyn, *New York, USA*
2024 "Emergency Holds", Movement Gowanus Biannual Art Showcase, Brooklyn, *New York, USA*
2024 "Cactus", A Letter From a Friend, Bacio Collective, *Bern, Switzerland*
2024 "Do Not Copy", [Anchored – Staff Show](#), LATITUDE Gallery, *New York, USA*
2024 "Scam Gift Card", [Scam Auction](#), CultureHub, *New York, USA*
2024 "Scents of Us", Virtual Synesthesia Challenge, NYC Media Lab & Channel, *New York, USA*
2023 "Hen" & "Tic Tac Toe Thing", Engineered Concepts, [Union Street Gallery](#), *Chicago, USA*
2023 "The Ultimate Vending Machine," After the Imagination, [Resistor NYC](#), *New York, USA*
2023 "The Annoying Phone Add-on," Useless Machines, [theBlanc Gallery](#), *New York, USA*
2022 "Dine Together," Absurd Hotel, ITP/IMA Winter Show, *New York, USA*
2022 "The Hen," Absurd Hotel, ITP/IMA Winter Show, *New York, USA*
2022 "Tic Tac Toe Thing," SIA International Show, *Manhattan, New York, USA*
2022 "Tic Tac Toe Thing," Willoughby-walks, *Brooklyn, USA*
2021 "Lonely Traffic Light," ITP/IMA Winter Show, *New York, USA*
2021 "哲学性自杀," [光合作用\(Photosynthesis\)](#), *Xiamen/Chengdu/Shenzhen, China*
2021 "Philosophical Suicide Pt2," [Pure Abstract](#), las laguna art gallery, *Laguna Beach CA, USA*
2021 "Philosophical Suicide," [It's time to reduce the backlog!](#), LATITUDE Gallery, *New York, USA*
2020 "Quarantine, the Game," [BFA Show 2020](#), Serve the People, *Online*
2019 "Memory Book," Group Moderation Show, Bard College, *Red Hook NY, USA*
2018 "Memory Book" & "No Exit," Off Shore, Bard College & Edna Manley College of Visual and Performing Arts, *Kingston, Jamaica*

Press and News Coverage:

2026 The Overslept Mayfly review at Whitehot Magazine [The Overslept Mayfly: Ailyn Lee and Tianshu Zhang, curated by Shuang Cai at Latitude Gallery in Lower East Side, Manhattan.](#)
2026 Vape Synth at NPR [Researchers built musical instruments out of vapes](#)
2026 Vape Synth at Wired Magazine [These Hackers Are Turning Dead Vapes Into Musical Synthesizers](#)
2025 Toolish Behavior at Editor's Picks at Impulse Magazine [Toolish Behavior](#)
2025 Toolish Behavior at Whitehot Magazine [Toolish Behavior: On the Humanity of Tools at New York University's 370 Jay Street building](#)
2025 [Review on The Time It Take To See: Xinran Guan x Ye Cheng](#), at Impulse Magazine
2025 Personal Highlight at Art Insider: [From Arrangement to Engagement, shuang's curation as art practice](#)
2025 Doki! Doki! Tutu's Delivery Service at Read COPY: [Aesthetics with Asian Roots and Global Reach Nettle and Nuance the Internet Flattening of the Descriptor "Asian American](#)
2025 [Exhibit highlights](#) of Doki! Doki! Tutu's Delivery Service at Li Tang
2024 Personal Interview at RadII: [At New York's LATITUDE Gallery, Artist Shuang Cai Has Found Her Community](#)

- 2024 [A little good for a long time](#) Press Release at Li Tang
- 2024 Labels, Labels, TBD?! at Read COPY: [More Than a Label](#)
- 2024 Personal Interview at VoyageLA: [Rising Stars Meet Shuang Cai of New York](#)
- 2023 SPAMTEMBER at [Jukeboxmind](#): Canned Creativity Unveiling the Layers of SPAM in SPAMTEMBER
- 2023 SPAMTEMBER at Hudson weekly: [SPAMTEMBER Unveils Playful Creativity – A Humorous Exploration of Cultural Identity at All Street Gallery](#)
- 2023 Queer Knowing at ONLY CHILD: [Queer Knowing: A Prideful Celebration at All Street Gallery](#)
- 2023 Personal Interview at CanvasRebel: <https://canvasrebel.com/meet-shuang-cai/>
- 2022 Personal Interview at Art Frankly: [Shuang– Multimedia Artist and Curator Based in NYC](#)
- 2022 Time Feast at Whitehot Magazine: [Yanyan Huang Time Feast \(Oct, 2022\)](#)
- 2022 Exhibition Review at [Artron Art: Latitude Gallery](#): “Conceive: Cultivating the Moon” - Eight-Person Group Exhibition (雅昌艺术 | 纬度画廊: “Conceive: 怀耘构月”八人群展 (Feb, 2022))
- 2021 Exhibition Review at Sina: Late Days Festival (新浪 | 展览回顾 | 迟日摄影节 (Oct, 2021))
- 2021 Personal Interview at White Background: White Background TA Says 042 X Photosynthesis(白底 | 蔡爽作品 | 白底 TA说 042 X 光合作用 (Sep, 2021))

Experiences, Expo, and Performances:

- 2025 Exhibitions Developer, [Google Pixel Activation](#) (Interactive experience)
WNBA All-Star Live, Spak and Deeplocal, Indiana, USA
- 2025 Creative Coder, [Machine Learning\(to be\)](#) (Hybrid Interactive Theater)
Emerson College, Theatre Conspiracy & Progress Lab 1422, Vancouver, Canada
- 2025 Writer, Adrift in the Middle Ground (Art critical writing)
Art Basel Magazine Booth, [Hong Kong Art Basel](#), Hong Kong, China, Writer
- 2025 Creative Technologist, [I Will Meet You in the Rain](#) (2-person alternative control game)
[Alt.ctrl.GDC](#), Game Developer Conference, San Francisco, USA
- 2024 Exhibitions Developer, Scents of Us (Interactive experience)
Channel Synesthesia Challenge, NYC Media Lab, Brooklyn, New York, USA
- 2023 Creative Coder, [LiveWebBroadcasters Re-Fest](#) (Immersive experience)
CultureHub, Brooklyn, Creative Technologist
- 2023 Research Poster Presenter, Embodied Practices in Art and Computing Education (Research Poster)
EdTech Week Research Showcase, [EdTech](#)

Teaching:

(Happening) Adjunct Professorship for 15-week Course Fall 2026

Open Call: Special Topics in Media Art – New York University

Design and facilitate undergraduate seminars, critiques, and workshops

Developed instructional materials and guided prototyping exercises, enabling students to build their own art exhibitions

Guest Lecturer One-off Workshop 2026

INFO/DESIGN 5550/6550. Designing Products With E-Waste – Cornell Tech

Developed open-source instructional materials and guided prototyping exercises, enabling attendees to build and modify their own vape-based devices

Co-led a hands-on workshop introducing participants to the inner workings of electronic vape

Demonstrated disassembly, reverse engineering, and redesign processes to reframe waste electronics into open-source, battery-powered tools

ACM Conference One-off Workshop 2026

Hardware Reincarnation: The Electronic Vape Synth and Other Upstream Salvaged Circuit

Developed open-source instructional materials and guided prototyping exercises, enabling attendees to build and modify their own vape-based devices

Co-led a hands-on workshop introducing participants to the inner workings of electronic vape

Demonstrated disassembly, reverse engineering, and redesign processes to reframe waste electronics into open-source, battery-powered tools

TA for 15-week Course Spring 2026

FSAD 1140 Principles of Design Computing– Cornell University

15-week-long Undergraduate Design Course with 20 students

Design and facilitate seminars and workshops; host weekly office hours for questions

Facilitate communication and collaboration among team members, department admins, and faculties

TA for 15-week Course Fall 2025

DEA 1500 Introduction to Environmental Psychology – Cornell University

15-week-long Undergraduate Psychology Course with 300 students

Design and facilitate undergraduate-level seminars; host weekly office hours for questions

Facilitate communication and collaboration among team members, department admins, and faculties

ACM Conference One-off Workshop 2025

Waste into Wonder: Make a Mist Maker – Open Hardware Summit

Co-led a hands-on workshop introducing participants to the inner workings of mist circuit modules repurposed from low-cost humidifiers

Demonstrated disassembly, reverse engineering, and redesign processes to reframe waste electronics into open-source, battery-powered tools

Developed instructional materials and guided prototyping exercises, enabling attendees to build and modify their own mist maker devices

Emphasized transparency, process-sharing, and open hardware certification in alignment with the broader maker and repair culture ethos

Industry One-off Workshop 2024

Hoto's New Tools Release Christmas Tests – LSR Studio

Designed and led a hands-on workshop to test Hoto's latest toolset, focusing on usability, ergonomics, and fabrication workflows

Facilitated participant engagement through guided tasks and feedback sessions, simulating real-world creative and prototyping scenarios

Collected and synthesized user insights to inform product refinement and potential future applications in maker and design communities

Adjunct Professorship for 14 weeks Course/Lab Fall 2023 – Fall 2024

Fabrication and Design Postdoctoral Fellow – New York University

14-week-long Fabrication Lab

Design and facilitate graduate-level seminars, critiques, and workshops; host weekly office hours for troubleshooting

Facilitate communication and collaboration among team members, department admins, and faculties

Curate and organize end-of-semester student showcase for more than 300 students' works

TA for 14-week Course Spring 2021

IMNY-UT.240 Analog Circuit– New York University

15-week-long Undergraduate hardware course with 20 students

Design and facilitate seminars and workshops; host weekly office hours for questions

TA for 14-week Course Spring 2021

IMNY-UT 206 Critical Experience– New York University

15-week-long Undergraduate research based practice course with 20 students

Design and facilitate seminars and workshops; host weekly office hours for questions

Industry on-going Workshops/Seminar Jan 2023 – Sep 2023

Artists Salon – LATITUDE Gallery

Facilitate and organize monthly Artists' Salon featuring different artists' current medium and practices

Interview, document, and write artists' regarding their collaboration with the gallery

Instructor for Recurring One-on-one Mentor Sessions Fall 2021 – Present

Project Mentor and Adviser – School of International Art

Design and facilitate 1 on 1 and group sessions about creative projects, analytical writing, creative coding, physical computing, game design, and visual languages

Hosted weekly class and office hours to teach class material and brainstorm and troubleshoot their project

Instructor for 10-week Course Fall 2021

Original Course Designer and Instructor – Cyber Art Camp

Designed and facilitated creative coding classes in JavaScript as a point person for 25 students aged 12 to 17 years

Facilitated GitHub documentation tutorials using Git and the GitHub application

Hosted weekly class and office hours to teach class material and brainstorm and troubleshoot their project

Instructor for 10-week Summer Program 2018-2021

Senior Facilitator – Creative Analytically Math Program at Bard College

Week-long Creative Math Class

Individually designed and facilitated interdisciplinary artistic math classes for 80 students aged 6 to 12 years in sessions of 20

Designed and graded creative assignments and hosted final critics and demonstrations for open houses

Became the first undergraduate Senior Facilitator in the program's history

