

## CONTRIBUTORS

**Noelani Arista** is Associate Professor of Hawaiian and U.S. History at University of Hawai'i-Mānoa. Her research and writing centers on translation and indigenizing research practice in Hawaiian language textual and digital archives. Her work focuses on governance and the practice of *mo'ōlelo Hawai'i* (Hawaiian history). She is the author of *The Kingdom and the Republic: Sovereign Hawai'i and the Early United States* (2019).

**Sasha Costanza-Chock** is a scholar, activist, and media-maker, and currently Associate Professor of Civic Media at MIT. They are a Faculty Associate at the Berkman-Klein Center for Internet & Society at Harvard University, and creator of the MIT Codesign Studio ([codesign.mit.edu](http://codesign.mit.edu)). Their work focuses on social movements, transformative media organizing, and design justice. Costanza-Chock's first book, *Out of the Shadows, Into the Streets: Transmedia Organizing and the Immigrant Rights Movement* was published by the MIT Press in 2014.

**Kate Darling** is a research specialist at the MIT Media Lab and a leading expert in robot ethics and policy. Her research interests include social robotics, human-robot interaction, and intellectual property. Darling's work has been featured in *Vogue*, the *New Yorker*, *The Guardian*, BBC, NPR, PBS, the *Boston Globe*, *Forbes*, CBC, *WIRED*, *Boston Magazine*, *The Atlantic*, *Slate*, *Die Zeit*, the *Japan Times*, *Robohub*, *IEEE*, and more. She is the author of *The New Breed: What Our History with Animals Reveals About Our Future with Robots* (2021).

**Vafa Ghazavi** is a doctoral candidate and John Monash Scholar at Balliol College, University of Oxford. His research focuses on moral and political theory.

**Kite aka Suzanne Kite** is an Oglala Lakota performance artist, visual artist, and composer raised in Southern California. Her research is concerned with contemporary Lakota mythologies and epistemologies and investigates contemporary Lakota storytelling through research-creation, computational media, and performance practice. Recently, Kite has been developing body and braid interfaces for movement performances. She is currently a PhD student at Concordia University.

**Cathryn Klusmeier** is a writer living and working in Sitka, Alaska. She has a master's degree in medical anthropology from the University of Oxford and is currently pursuing her MFA in creative writing at the University of Iowa where she is an Iowa Arts Fellow. With a background in environmental studies and art, she often focuses on the links between landscapes, climate, and medicine.

**Jason Edward Lewis** is University Research Chair in Computational Media and the Indigenous Future Imaginary and Professor of Computation Arts at Concordia University, Montreal. He co-directs Aboriginal Territories in Cyberspace, the Skins Workshops on Aboriginal Storytelling and Video Game Design, and the Initiative for Indigenous Futures. Born and raised in Northern California, Lewis is Cherokee, Hawaiian, and Samoan.

**Archer Pechawis** is a performance artist, new media artist, filmmaker, writer, curator, and educator. He has been a practicing artist since 1984 with particular interest in the intersection of Plains Cree culture and digital technology, merging “traditional” objects such as hand drums with digital video and audio sampling. Of Cree and European ancestry, he is a member of Mistawasis First Nation, Saskatchewan.

**Jaclyn Sawyer** is a citizen scholar, social worker, and data practitioner, passionate about using small data in thoughtful ways. She currently leads the data team of a nonprofit that provides homeless outreach and housing opportunity. Previously she has worked on projects that expand data analytics capacity in prison reform, health care, and education in the United States, Nigeria, Nicaragua, and Brazil. She loves design thinking and uses it in everything she does.

**Gary Zhexi Zhang** is an artist and writer, working in film, installation, and software. Recent exhibitions include *Cross-feed* at Glasgow International 2018, [vdrome.org](http://vdrome.org) (online), and *All Channels Open* at Wysing Arts Centre. Zhang is a regular contributor to *Frieze* and *Elephant* magazines and has also published in *Foam*, *Fireflies*, and *King's Review*. He is a graduate of the MIT Program in Art, Culture and Technology.

**Snoweria Zhang** is a designer, artist, and mathematician. Currently, her work focuses on the interstitial space between the built environment and the digital fabric of cities. Most recently, she could be found at the MIT Senseable City Lab, and her design work was featured on the cover of *Nature*. Previously, she studied architecture and mathematics at Harvard University. Snoweria also draws a webcomic called *Lonesome Whales*.

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# Against Reduction

## Designing a Human Future with Machines

**By:** Noelani Arista, Sasha Costanza-Chock, Vafa Ghazavi, Suzanne Kite, Cathryn Klusmeier, Jason Edward Lewis, Archer Pechawis, Jaclyn Sawyer, Gary Zhexi Zhang, Snoweria Zhang

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