

# STATION1

A woman's profile is shown in a blue, ethereal light. Her head is tilted upwards, and her eyes are looking towards the top left. The background is a dark blue with intricate, glowing digital patterns, including lines, dots, and circular orbits, suggesting a high-tech or futuristic theme. The overall color palette is monochromatic, dominated by various shades of blue.

**Station1 is a nonprofit higher education institution that is paving a pathway of opportunity through a new model of frontier learning and research — socially-directed science and technology.**

Based upon a foundation of inclusion and equity, this model integrates science, technology, engineering, and math with humanistic fields at a granular level in order to interrogate, understand, and shape technologically-driven societal impact towards more equitable, ethical, and sustainable outcomes. Station1 delivers transformative education, research, and innovation programs and leads higher education systems change initiatives.



"We must always attempt to lift as we climb." - Angela Davis

## THE IMPERATIVE

We live in an era rife with social inequities and planetary perils, as the collective impact of humans threatens life on earth as we know it, radically transforming our societies and ecosystems. While, science and technology has contributed enormous benefits to humanity, simultaneously it has also been entangled with, and contributed to these formidable challenges. In re-imagining a more equitable and sustainable future, let alone bringing it into reality, we must acknowledge, interrogate, and understand the historical context, root causes, and systemic structures that underpin the scientific and technological enterprise, as well as the institutions of higher learning which serve as its foundation. Inequity in higher education, including access and the quality and nature of the educational experience itself, remains a persistent challenge. As we take on the bold endeavor of tackling the enduring problems of humanity, we must also be reflective of that humanity. Science and technology, rooted in social inquiry, inclusion, and equity is more important than ever to our survival, let alone progress.

## THE STATION1 MODEL

Station1 is addressing this imperative by building a new higher education institution based on *socially-directed science and technology*. Drawing upon a foundation of inclusion and equity, the Station1 model re-envision the scientific and technological inquiry process through the integration with humanistic fields at a granular level. In addition to core values and a mindset of social responsibility, rigorous cross-disciplinary methodologies are utilized to interrogate and shape technologically-driven social impact iteratively at every stage towards more equitable, ethical, and sustainable outcomes.



## STATION1 ACTIVITIES

**EDUCATION:** The flagship program - The Station1 Frontiers Fellowship (SFF) - is a prestigious, fully-funded ten-week summer experience for undergraduate students that involves socially-directed science and technology education, research, and innovation. Unique in the nation and the world, the SFF includes an exciting research internship in emerging areas of science and technology, a cross-interdisciplinary shared curriculum on socially-directed science and technology, and personal and professional advancement activities. Approximately all of the Station1 Fellows alumni are from low income backgrounds, minoritized groups, and/or first generation to attend college.

**RESEARCH:** Station1 leads numerous research initiatives in areas of socially-directed science and technology including, for example: Socioresilient Infrastructure: Materials, Assemblages, and Systems; Biotechnology, Public Health, and Community-Based Participatory Research; and Technologically-Driven and Computational Approaches to the Origins of Human Language;

**SYSTEMS CHANGE:** Station1 leads institutional and multi-institutional initiatives focused on fostering equity in science and technology through collaborative systems change. One example is the Hopper-Dean Foundation Collaborative, Station1 serves as the backbone organization for this national multi-institutional consortium, whose members include Carnegie Mellon University, Cornell University, Georgia Institute of Technology, Howard University, Massachusetts Institute of Technology, University of California - Berkeley, and University of Washington.

## STATION1 SUPPORTERS

Over 80 individuals and organizations have supported Station1 cumulatively through gifts and grants, pro-bono work, in-kind contributions, and other forms of support, including, for example, The Amelia Peabody Foundation, Craig Newmark Philanthropies, Eastern Bank, ECMC Foundation, The Hopper-Dean Foundation, LabCentral Ignite, Massachusetts Institute of Technology Abdul Latif Jameel World Education Lab (MIT-JWEL), The Materials Research Society, The National Science Foundation, The New Profit, The P.B. Charitable Foundation Trust, The Siegel Family Endowment, The Spencer Foundation, The Abbot and Dorothy H. Stevens Foundation, and the Worden Family Foundation.