

STATION1

EDUCATION AT
THE FRONTIERS



THE STATION1 FRONTIERS FELLOWSHIP

**A Science and Technology Education, Research, and Internship
Program Focused on Social Impact**

Are you a bold thinker and an aspiring scientist, engineer, or technologist who is passionate about creating a more equitable, creative, prosperous, and sustainable world?

Station1 is looking for you!

Apply to the be a Station1 Fellow!

www.station1.org

We invite you to apply to the Station1 Frontiers Fellowship (SFF) – a unique and exciting residential science and technology educational, research, and internship summer program with a focus on social impact, innovation, and perspective.

Station1 Fellows come from near and far to live, work, and learn together throughout the summer for ten weeks in the Greater Boston region of Massachusetts.



AS A STATION1 FELLOW YOU WILL RECEIVE:

- All expenses paid including a competitive living expenses and travel **stipend**, as well as housing, transportation, and instructional costs covered
- An **internship** in a leading science and technology company or academic research laboratory
- An exciting, state-of-the-art **research and development project** in science and technology
- Support in completing a **capstone project** to show to potential employers and for graduate school applications
- An interdisciplinary shared curriculum that focuses on **science, technology, society, and social impact**
- Access to a **creative co-working, collaboration, and learning space**
- **Personal and professional experience** including inclusive leadership and collaboration, scientific and technical communication, networking, and more
- Long-lasting **mentoring** relationships with world experts in science and technology and counseling on academic and career pathways.



BE INSPIRED AND BUILD YOUR FUTURE

The Station1 Frontiers Fellowship involves science and technology research and development projects that are fundamentally linked to humanistic concepts and societal concerns. Station1 works closely with accepted applicants to match students to projects in their areas of interest. Station1 offers projects across all STEM majors. Example areas of focus for Station1 include biotechnology, clean technologies, agricultural technology, civic technology, inclusive social media, advanced manufacturing, 3D printing, and digital automation, autonomous aeronautics, and nanoscale materials design. All of these areas are exciting emerging technology sectors in the greater Boston innovation ecosystem.

CAREER OPPORTUNITIES WITH AN AMAZING INTERNSHIP

Station1 Fellows are placed in paid internships in leading companies and research laboratories in the eastern Massachusetts region of the United States. Internships will give you the preparation you need to be highly competitive for employment and future careers in emerging STEM (Science, Technology, Engineering and Math) fields, as well as for continuing on to graduate education, if you choose to pursue this career path.

SUPPORTIVE AND CARING MENTORS

As a Station1 Fellow, you will receive more than an internship supervisor, you will gain a diverse team of exceptional and caring mentors. From the Station1 staff, to the shared curriculum instructors, to the project mentors, the Station1 team supports your academic, professional, and personal growth and will foster an inclusive and supportive learning environment. As a Station1 Fellow, you receive much more than technical and academic guidance and learning. Mentors get to know you personally and serve as a resource for career advice and guidance, as well as enable your professional and personal advancement.

A DYNAMIC CITY IN THE BOSTON REGION OF MASSACHUSETTS

The Station1 Frontiers Fellowship is based out of Lawrence, Massachusetts, a dynamic “gateway city” with a rich industrial history and burgeoning creative ecosystem, with direct transportation to Boston and its' surrounding cities. The spirit and community of Lawrence embody the values of Station1 - inventive, diverse, civic-minded, a place that brings together past, present, and future in inspiring ways along the beautiful Merrimack River.

ELIGIBILITY CRITERIA

Applicants must:

- Be currently enrolled full time in an **undergraduate degree-granting program** at an accredited postsecondary institution
- Have a genuine interest in **science and technology applied to social impact**
- Be available for the **entire duration of the summer program** (tentative dates June 7th-August 16th).

African American, Hispanic, Native American, Native Hawaiian & Pacific Islander, first-generation students, students from low socioeconomic backgrounds, students enrolled at minority-serving institutions, teaching institutions, and community colleges are strongly encouraged to apply.

Station1 also strongly encourages students who have not had the opportunity to participate in a previous research, internship, or significant project-based experience to apply.

JOIN THE EXCITING STATION1 JOURNEY!

Target Deadline: February 1st, 2020

11:59 PM EST

The application is posted here:
<https://www.station1.org/sff>

Questions and inquiries, email:
sff@station1.org

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STATION1 INSTRUCTORS



Christine Ortiz, Ph.D. is the founder of Station1, a scientist, engineer, social entrepreneur, and professor. She is the tenured and chaired professor of engineering and former dean of graduate education at MIT with over 25 years of experience in higher education. Ortiz has a Ph.D. from Cornell University and a B.S. from Rensselaer Polytechnic Institute, all in Materials Science and Engineering.



Eilan Spero, Ph.D. is a co-founder and Chief Curriculum Officer of Station1 and a historian of technology, business and higher education with a focus on institutes of innovation and narratives of progress. Spero has a Ph.D. from MIT in History, Anthropology, Science, Technology, and Society, and a B.S. and M.S. from Cornell University in Fiber Science.



George Whitfield, Ph.D. is a lead instructor in computational thinking at Station1 and Founder and CEO of the startup company Hodlpa. Whitfield has a B.S. in electrical engineering and computer science from MIT, and an M.S. and Ph.D. in materials science and engineering from MIT.



Francisco Martin-Martinez Ph.D. is a lead instructor in computational thinking at Station1 and was a research scientist in Civil and Environmental Engineering at MIT. Martin-Martinez is currently a lecturer at Swansea University in the UK. Martin-Martinez holds a B.S., M.S., and Ph.D. in chemistry, chemical engineering, and computational chemistry from Universidad de Granada in Spain.

