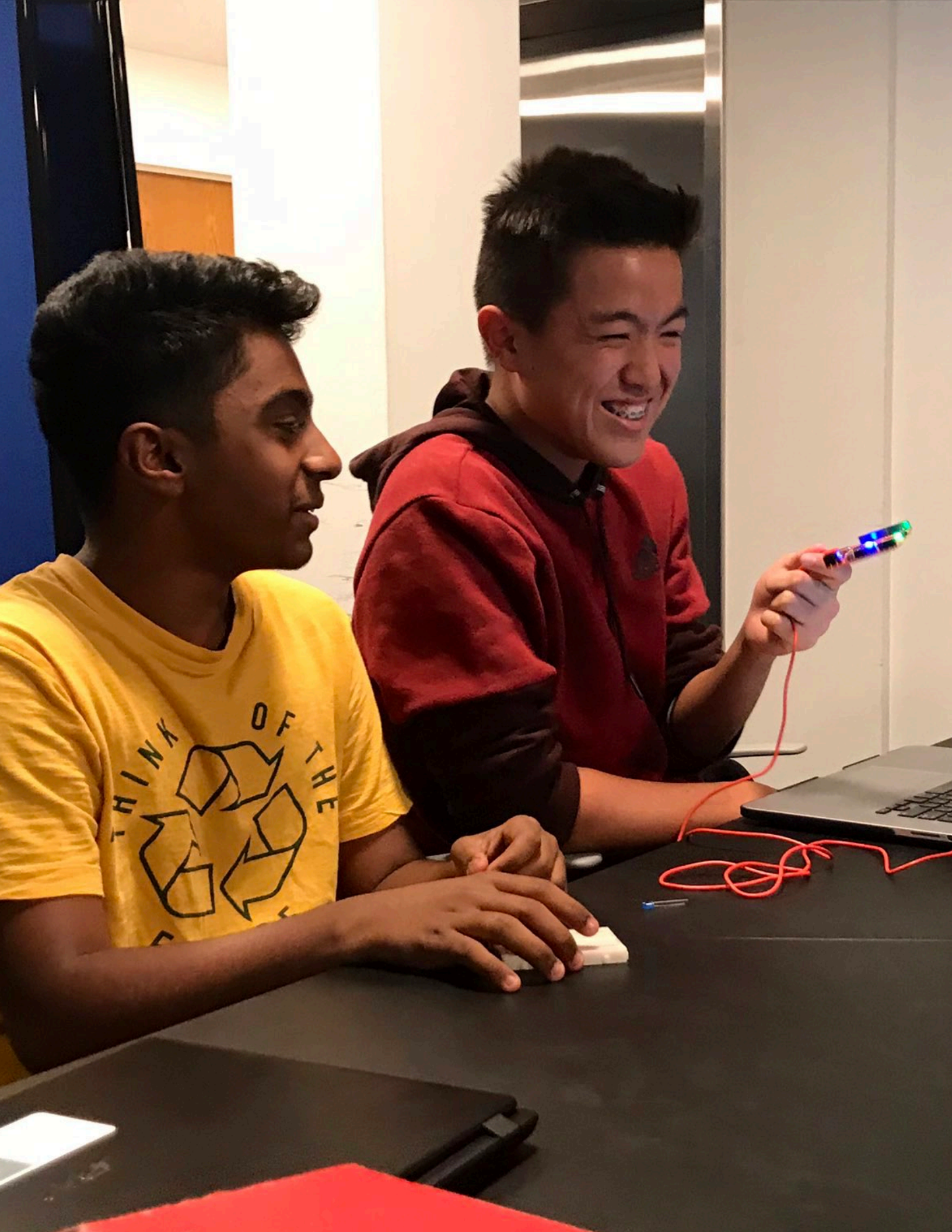


# TeenTechSF

GLOBAL

2019–2020 Annual Report

Prepared by Emilie Robert Wong, TeenTechSF COO





innovate  
collaborate  
create

# TeenTechSF GLOBAL 2019–2020 Annual Report

*TeenTechSF is a 501(c)(3) nonprofit.*

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# Founder's Message

## Tech & Equity during COVID-19



COVID-19 caused disruption on a scale that is difficult to comprehend. It has hit our most vulnerable populations the hardest. It has forced us to take time to evaluate the kind of world we live in and how it needs to change.

Some hope for a V-shaped recovery, but I know that we can do better than going back to business as usual. In a “normal” year, TeenTechSF connects 2,000+ students from diverse communities in the Bay Area and around the world with tech leaders and opportunities through conferences, civic hackathons, and STEM workshops.

COVID-19 struck just as we were about to launch our STEM Inclusivity Forum and were gearing up for our spring and summer STEM workshops. In response, we launched our first-ever, all-online conference, TeenTechSF COVID Connect, and our first online series of STEM workshops. We also collaborated with student leaders at Masks for All CA and Kuriosity Robotics to meet the critical need for masks and face shields to stop the spread of the virus and protect first responders, essential service workers, and those most in need in our community.

We don't want a return to normal. We want to take this moment of clarity and move forward, motivated by what we have experienced and ask ourselves:

- **INNOVATE**: How can we think differently and use tech to support students in our communities who are disproportionately impacted by disruptions?
- **COLLABORATE**: How can we come together as diverse and inclusive groups and use tech to fight for a more equitable society?
- **CREATE**: What are the critical needs in our community, and how can we use tech tools to meet those needs?

Something amazing happened when TeenTechSF was hit by COVID-19. We made new partners and tried new ways of doing things. We immediately responded to pressing community needs. We worked harder to address issues in equity and were forced into a completely online format.

And now instead of coming to you with smaller participation numbers and bigger excuses, we're coming to you with an expanded program increasing TeenTechSF outreach through more accessible online events throughout the year and plans for multiple, smaller, onsite, open-air breakout groups when it's safe to start meeting in person again. Nearly 100 students joined us for TTSF COVID Connect and over 200 students have already signed up for the online TTSF Summer Workshop series. We will never be the same, and we don't want to be.

Because returning to normal is not good enough.

Because we can do better. And we will.

—Marc Robert Wong, TeenTechSF Founder & Executive Director

# Our Mission

TeenTechSF's mission is to empower the next generation of tech innovators and civic entrepreneurs through conferences, hackathons, and workshops.

We are committed to equal access to tech for all teens because diversity fuels innovation.

Run by and for teens, all our events are free.



## TeenTechSF Milestones

### 2013

TTSF founded  
1st TTSF Conference

### 2014

TTSF@YaleTech  
TTSF@Stanford  
TTSF@MLFmonde  
TTSF@CERN

### 2015

TTSF&US State Dept  
(Angola/Mozambique)  
TTSF@Harvard  
TTYNY founded  
1st TTSF STEM  
Inclusivity Forum  
TTSF@TEDxYouth  
1st TTSF Civic  
Hackathon  
TTSF@Salesforce  
TTWA founded  
1st TTSF Global  
Youth Summit

### 2016

TTSF@UCBerkeley  
TeenTechCHINA  
founded  
TTSF@Runway w/  
Oracle Team USA

### 2017

TeenTechTUNISIA  
founded  
TTSF March4Science  
TTSF@CalAcademy  
#TeenScienceNight  
TTSF@Microsoft

### 2018

TTSF 501(c)(3)  
1st TTSF Board Mtg  
TTSF@PlayStation  
TTSF@MakeSchool  
TTSF@GoogleCloud

### 2019

TTSF & SF Youth  
Commission  
TTSF@NightOfIdeas  
TTSF@GoogleSF

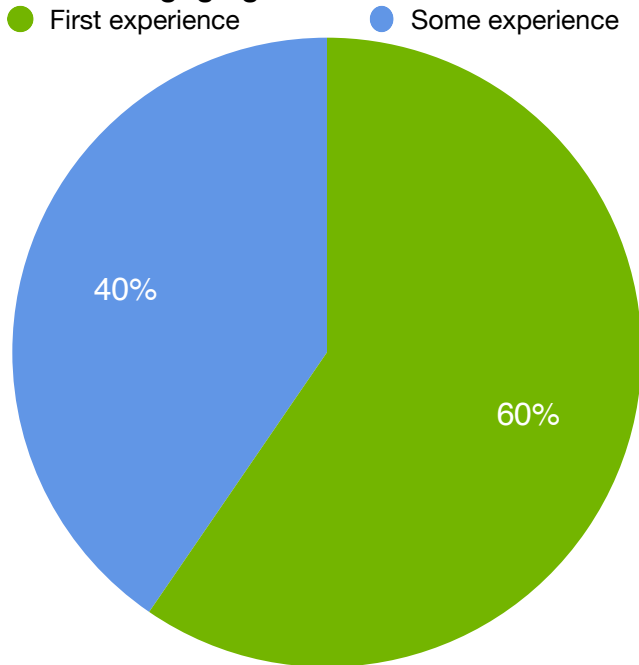
### 2020

TTSF COVID Connect  
TTSF Online  
Workshops

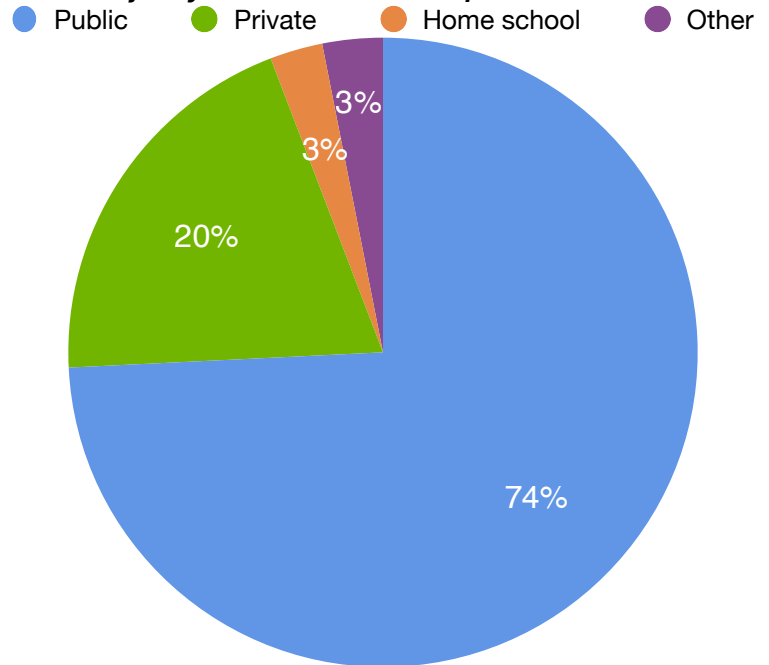
# Our Impact

2,000+ students participate annually in TTSF events, workshops, and partnerships

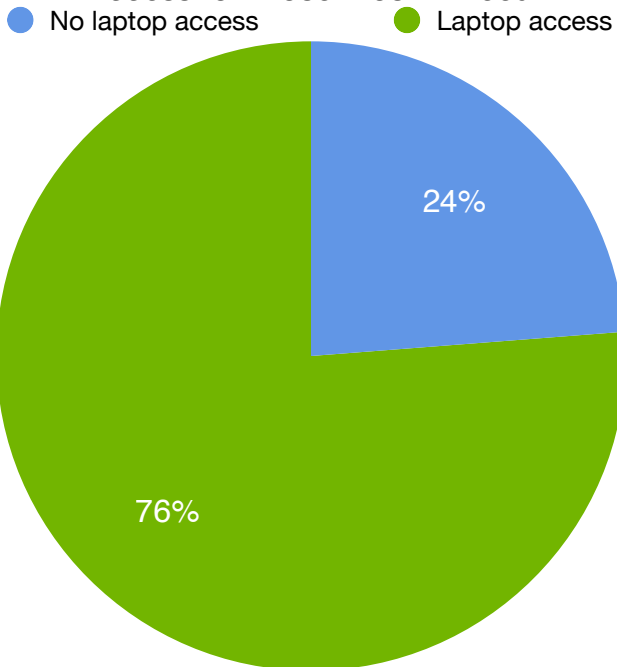
*Engaging students in STEM*



*Majority of students from public schools*



*Access for those most in need*



TeenTechSF is a gateway experience for first-time coders

- 504 students participated in TTSF signature events
- Nearly 2/3 first-time hackers at TTSF Civic Hackathon
- 207 public school students at Global Youth Summit
- Almost 60% female participants at COVID Connect

# Diversity, Equity, & Inclusion

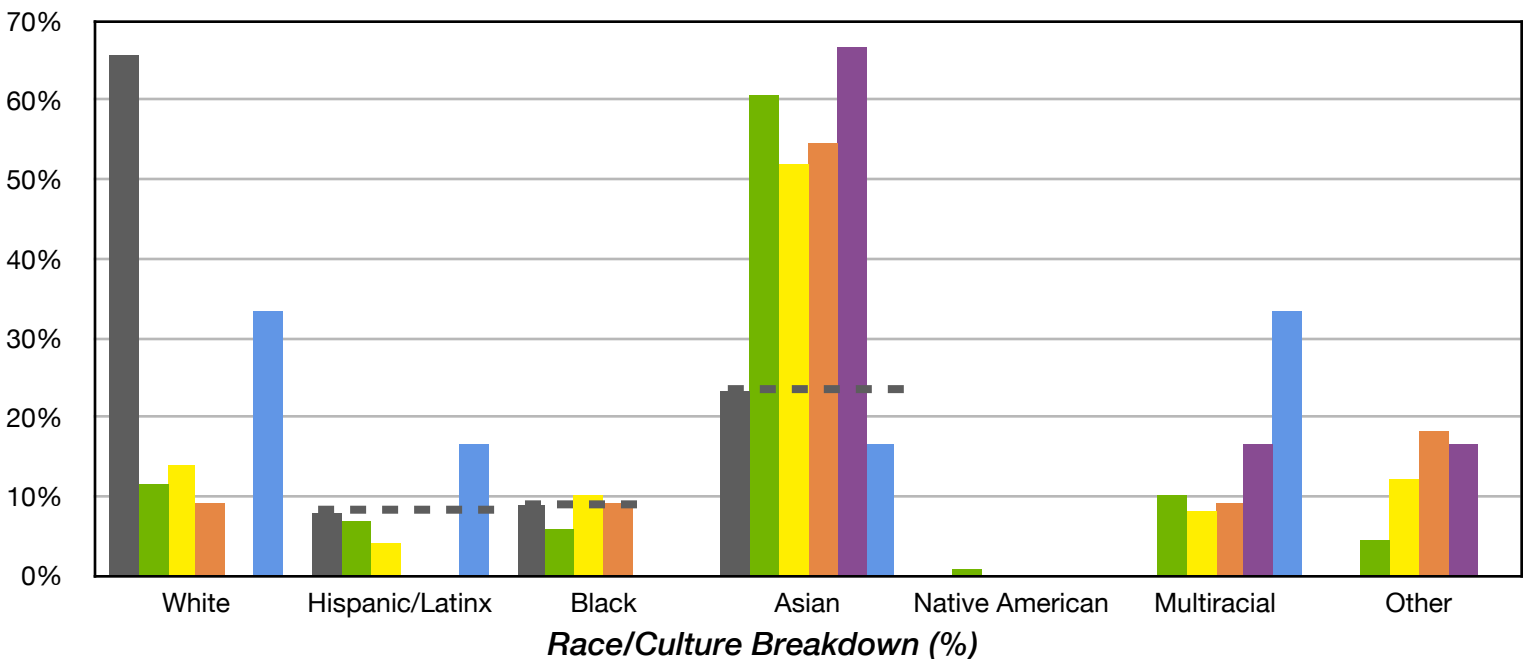
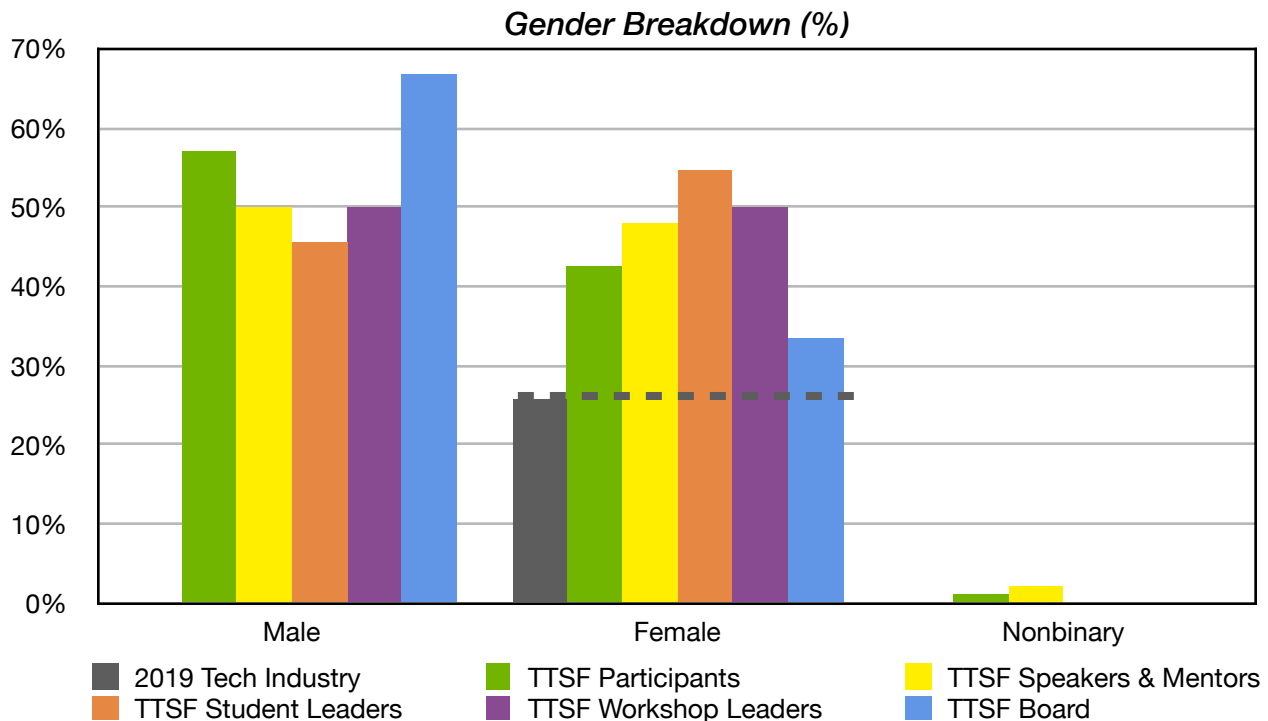
## TeenTechSF vs. 2019 Tech Industry

TeenTechSF is gender-balanced, with strong support for lower socioeconomic groups!

It's easiest to fix DEI gaps at board and leadership level, but we need to improve DEI in student participation:

- Focus on girls at the Civic Hackathon and underrepresented minorities
- Leverage strong Asian involvement

(Note: Tech industry data, in gray, is from 2019 US BLS CPS. Multiracial not counted separately.)



# What We Do: Signature Events



## TeenTechSF Civic Hackathon @Make School—***Teen Problems, Tech Solutions***

A record-breaking number of teens turned out for two-action packed days of creating, coding, and problem-solving at the fifth annual TeenTechSF Civic Hackathon. A beginner-friendly event, experienced mentors from TeenTechSF and Make School were on hand to help first-time hackers build their tech skills with workshops on coding, website and app design, prototyping, and pitch development. The winning teams addressed gun violence at schools, climate change, and social justice issues.

## TTSF Global Youth Summit @Google Community Space—***Bringing the Spirit of Silicon Valley to the World and the World to Silicon Valley***

150 students, mentors, and families from diverse communities discussed global trends with a live keynote by Japan-US entrepreneur Namiko Kajiwara and video messages from Apple iPod developer Tony Fadell and Microsoft Director of Civic Engagement Sid Espinosa, followed by a meet-up with student entrepreneurs from South Africa and hands-on STEM workshops on website design, app development, and coding activities as part of the Hour of Code global initiative.

TTSF STEM Inclusivity Forum @College Track (postponed due to COVID-19)

## Year-Round TTSF STEM Workshops—***Tech Where You Live***

Every year, the award-winning, peer-led TeenTechSF STEM workshop program reaches out to over a thousand students from underserved and underrepresented communities at schools, libraries, and community centers in the neighborhoods where they live. TeenTechSF also partners with outreach programs supporting first-generation college students of color at UC Berkeley, Stanford, the California Academy of Sciences, and the Bay Area Science Festival at Oracle Park. Run by and for teens, all our events are free!



# New Projects

## TeenTechSF COVID Connect Online Conference

TeenTechSF's first-ever online conference was a huge success! SF Human Rights Commission Executive Director Sheryl Davis gave a powerful speech about equity and inclusivity during the COVID pandemic, emphasizing the need to use tech as a tool to connect diverse groups and come up with innovative solutions. Next came a youth panel with the creator of *Girl Genius*, the co-founders of Masks for All CA, the team captain of Kuriosity Robotics, and TTSF's STEM Workshop Chair. The event concluded with workshops on how to sew masks, create face shields using 3D printing, and build your own database using Johns Hopkins COVID-19 stats available on GitHub.

## Online Summer Workshop Series

TeenTechSF also launched our own online summer workshop series offering free online summer workshops on Saturdays, 2–3 pm in June and July. TTSF student leaders introduce new coders to Scratch, MIT App Inventor, Python, and TinkerCAD to build their tech skills. Then students use 3D printing to fabricate prototypes, create websites, design apps, make video games, and build databases. No previous experience is necessary!

## More First-Time Events in 2019–2020:

TeenTechSF leaders also organized activities for the first time at: Facebook Family Hack; the Bay Area Science Festival at Oracle Park; the NorCal Girl Scouts STEM conference at the Hiller Aviation Museum; the inaugural Night of Ideas in partnership with the French Consulate, KQED, and SF MOMA; and the TeenTechSF Meet-Up with student entrepreneurs from South Africa at The Mix at SFPL, the SF Main Library Teen Digital Resource Lab.



# Major Grants & Contributions

## Youth Funding Youth Ideas

We're proud to have partnered with YFYI for three years of youth entrepreneurship empowerment! YFYI helped us launch our first STEM workshop programs reaching at-risk SF students from underserved communities. They helped us buy our first video camera so that we could livestream our events to different TTSF partners around the world. They've empowered our youth leaders through honoraria to use for college. YFYI believed in us when no one else did and continues to mentor and support our program!

## Facebook Family Hack

This was our first year participating in Facebook Family Hack. We were happy to partner with Facebook on this annual event supporting tech diversity and inclusion, and we're grateful for the generous donation supporting TeenTechSF leadership training and events.

## SHARP SF

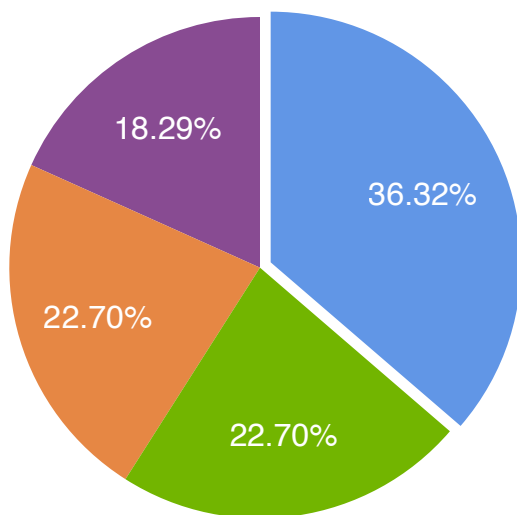
The Sunset Heights Association of Responsible People in San Francisco has been supporting improvement projects in our neighborhood for over 100 years. We're excited that this year, SHARP has chosen TeenTechSF as one of the organizations they are supporting. TeenTechSF is the only organization run by and for teens in the Sunset Heights area. We'll use SHARP funds to buy new workshop equipment, provide masks to students at our events, and support TTSF STEM workshops at local schools, libraries, and community centers.

## Individual Donations

Interested in donating to TeenTechSF? We are a registered 501(c)(3) nonprofit, and we ask that you give \$5 if you're able to support our efforts to make sure that no student is left out of the digital disruption. If you're able to give \$25, we'll send you a #WearBecauseYouCare TeenTechSF washable 3-ply mask or a TeenTechSF t-shirt in Founder's Gray, **Innovative Green**, **Collaborative Orange**, **Creative Purple**, or **Global Blue** to say thank you!

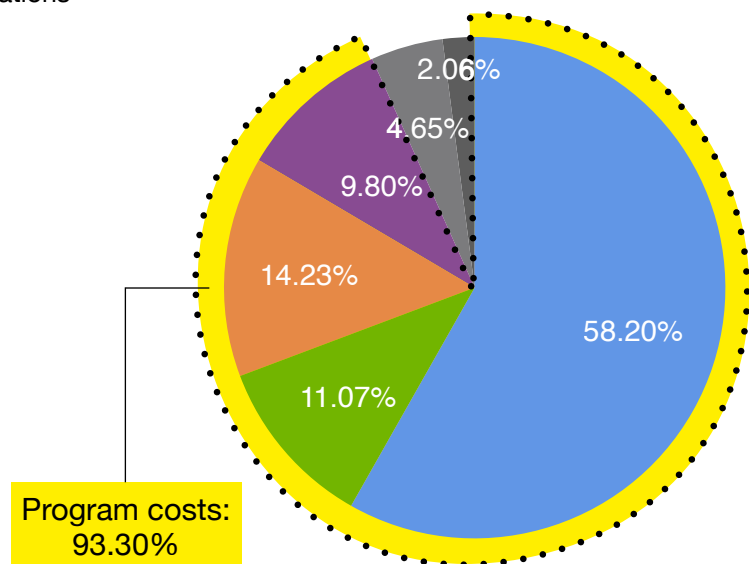
2019–20 Income: \$11,014

- YFYI (restricted)
- Facebook
- SHARP
- Individual & Smaller Donations



2019–20 Operating Expenses: \$10,033

- Events & Workshops
- Youth Leadership Training
- Youth Honoraria/Awards
- Youth Outreach
- Fundraising
- Overhead



Program costs: 93.30%

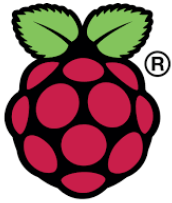
Cost per attendee—  
Onsite event: \$3.75 vs. Online event: \$0.75

# Tech Partners

facebook



Google



Raspberry Pi



GitHub



MAKE SCHOOL

TECHNOVATION

# Community Partners



Berkeley  
UNIVERSITY OF CALIFORNIA



- Allan Gray Orbis Foundation
- Bay Area Science Festival
- Bay Area Teen Science
- California Academy of Sciences
- College Track
- Hispanic Heritage Foundation: Code as a Second Language
- *Girl Genius Magazine*
- HackerEarth

- Kuriosity Robotics
- Latinas Engineering Leadership Program
- Lawrence Hall of Science
- Leap Motion
- Masks For All CA
- SF Department of the Environment
- Soroptimist International of the Americas
- Sunset Heights Association of Responsible People
- Youth Service America

# Who We Are

## Our Volunteers

1,180  
student  
hours

950  
adult ally  
hours

2,130  
total  
hours

### TeenTechSF GLOBAL Board

**CEO:** Marc Robert Wong, Stanford '19 BA, '20 MS Computer Science

**COO:** Emilie Robert Wong, Harvard '18, BA Neuroscience/Literature

**CFO:** Dan Zevin, Public Education Specialist/B.A.T.S. Founder, UC Berkeley

**Secretary:** Catherine Cormier, The Mix at SFPL Teen Librarian



TTSF alumni  
leaders go  
on to attend

Stanford,  
UC Davis,  
UC Berkeley,  
Cal Poly,  
USC,  
Georgia Tech,  
Dartmouth,  
Harvard,  
Brown,  
& UPenn.

A huge thank you to TeenTechSF's student core leadership!

	<b>2019–2020 Leaders</b>	<b>2020–2021 Leaders</b>
<b>President</b>	Madeeha Khan	Sarah Cheung
<b>Vice President</b>	Sarah Cheung	Harsha Gundala
<b>STEM Workshop Chair</b>	Madeeha Khan	Brian Whitney
<b>Communications Co-Chairs</b>	Sarah Cheung Harsha Gundala	Harsha Gundala Shavonne Hines-Foster
<b>Finance Chair</b>	Colton Lum	Colton Lum

President's Volunteer Service Awards earned by: Madeeha Khan, Sarah Cheung, Harsha Gundala, Brian Whitney, Emre Yavuz, Daniel Pan, Ritaja Subrahmanya.

Madeeha, a graduating senior, will enter UC Berkeley as a 2020 Regents' Scholar.

# Looking Forward to 2020–21

## COO's Closing

Tech is a critical tool, and COVID-19 has shown us just how important it is to be able to master using that tool: not only to help research vaccines and treatments, and analyze data and track the spread of the disease, but also to be able to order groceries, do our homework, and communicate with our friends.

But tech is just a tool, a means to an end, and we must take on the challenge to determine what the purpose of tech is. We need to fight with all the tools of technology at our disposal, but tech alone cannot save us.

Our goal must be not only to master tech skills, but also to use our knowledge, independent thinking, and decisive actions alongside our tech skills to make sure that everyone has equal access to tech resources and opportunities. Our purpose must be to use tech to create the kind of society we want to live in.



In 2020–2021, our goals are to:

- Increase diversity and inclusivity among our event participants, speakers, mentors, and workshop leaders, TTSF student leadership, and the TTSF board
- Expand our online events and activities and reach out to underserved and underrepresented communities
- Focus more sharply on identifying and meeting the needs of our local communities
- Leverage our relationships with SFUSD and the SF Youth Commission to form new partnerships in the South, East, and North Bay
- Grow our partnerships with tech companies in the Bay Area and strengthen our global partnerships beyond the Bay Area

—Emilie Robert Wong, TeenTechSF COO

# Get Involved!

Are you...

*(a) a student interested in attending our conferences, hackathons, and workshops?*

Join our mailing list at [teentechsf.org](http://teentechsf.org), and follow us @teentechsf on social media ([YouTube](#), [Twitter](#), [Facebook](#), and [Instagram](#)).

*(b) a teen interested in joining our leadership team?*

Fill out our [leadership interest form](#), or email [teentechsf@gmail.com](mailto:teentechsf@gmail.com).

*(c) a tech professional interested in speaking, leading a workshop, co-hosting an event, or other mentoring opportunities?*

Email Marc at [marc@teentechsf.org](mailto:marc@teentechsf.org).

*(d) a company or organization interested in sponsoring us or in partnering with us on an event or project?*

Email Emilie at [emilie@teentechsf.org](mailto:emilie@teentechsf.org).

*(e) none of the above, but still want to support what we do?*

Donate at [teentechsf.org](http://teentechsf.org)—we are a registered 501(c)(3) nonprofit!

Find out more about who we are and what we do at [teentechsf.org](http://teentechsf.org). We're also on [YouTube](#), [Twitter](#), [Facebook](#), and [Instagram](#).



FNY

main event

main event

WIP



acer

1080

*2019–2020 Annual Report prepared by Emilie Robert Wong, TeenTechSF COO.*

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**TEENTECH**  **GLOBAL**

**Innovate Collaborate Create**

**FOR A BETTER WORLD**