

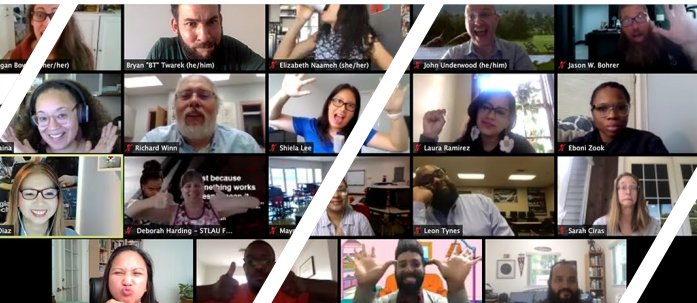


Computer Science
Teachers Association

ANNUAL REPORT



2021



Letter from the Executive Director



JAKE BASKIN,
CSTA EXECUTIVE DIRECTOR

“ Together, we held 47 non-conference events reaching 2,154 total unique attendees, and our chapters led work with an additional 3,000+ teachers throughout the year.

To Our CSTA Community,

Last year, I wrote that CSTA is committed to creating space for teachers to learn with their peers and support career-long growth beyond a single hour, day, or week of professional development.

Despite the challenges of a global pandemic, CSTA set out to continue and expand our impact, no matter the medium it took. Over the past year, we’ve launched programming that reached thousands of computer science teachers in new ways and supported our chapters in doing the same. We implemented our monthly professional learning series with bite-sized content for teachers to learn together. Our team developed our day-long summits on key topics for CS education. We kicked off regular CSTA Engage Meetups with members who don’t have chapters nearby to continue to foster community. Together, we held 47 non-conference events reaching 2,154 total unique attendees, and our chapters led work with an additional 3,000+ teachers throughout the year.

On top of the expansion of our professional development programming, we added a mid-year chapter leadership summit, developed new chapter grant opportunities focused on equitable and inclusive teaching, received a *huge* grant from the U.S. Department of Education to implement CSPDWeek events, grew CSTA+ membership by 55%, took over leadership of CSEdWeek, and expanded our awards programs. In addition, we hosted the CSTA Annual Conference with more sessions than ever before.

Thank you to our partners that make this work possible, especially our strategic partners Microsoft, Google, ACM, and the Cognizant Foundation. Most importantly, thank you to our incredible members. We’re so proud of how you go above and beyond to support your students.

A handwritten signature in black ink, appearing to read 'JB', written in a cursive style.

Building Community

Investing in CSTA Chapter Growth, Success, and Leadership

Given the backdrop of a global pandemic and the more than 500 chapter leaders working in all kinds of environments – in-person, virtual, hybrid, and everything in between – we saw tremendous overall growth in CSTA chapters; including the launch of our first two non-North American chapters, CSTA Philippines and CSTA Nigeria. Our dedicated volunteer chapter leaders took it upon themselves to bring CS educators together with a relentless fervor that was truly inspiring. Our CSTA chapters hosted more than 500 events, impacting over 3,000 educators, and countless students.

JULY 2021 CHAPTER STATUS

96

Chapters

10,372

Chapter Members

506

Events Held

79%

Chapters met growth goals

530

Volunteer Chapter Leaders

15

PD Weeks

\$76,028.75

Grants Awarded

“This entire Leadership Conference has been extremely helpful. I am feeling energized and ready to move forward with my newly formed chapter.”

Chapter Leader Learning Series

- **Fall:** 4-part series on diversity, equity, and inclusion in computer science
- **Spring:** 4-part series on implementation of the *Standards for CS Teachers*
- **359** total participants

Mid-Year Chapter Leadership Summit (January 2021)

- **18** breakout sessions
- **11** regional meetups to support inter-chapter collaboration
- **170** total participants

Chapter Leadership Summit (July 2021)

- Keynotes by Dr. Ibram X. Kendi and Dr. Allison Scott
- **24** breakout sessions
- **11** distinct regional meetups to provide space for chapters to collaborate
- Leadership teams set chapter growth goals and program/budget for the upcoming year
- **285** total participants

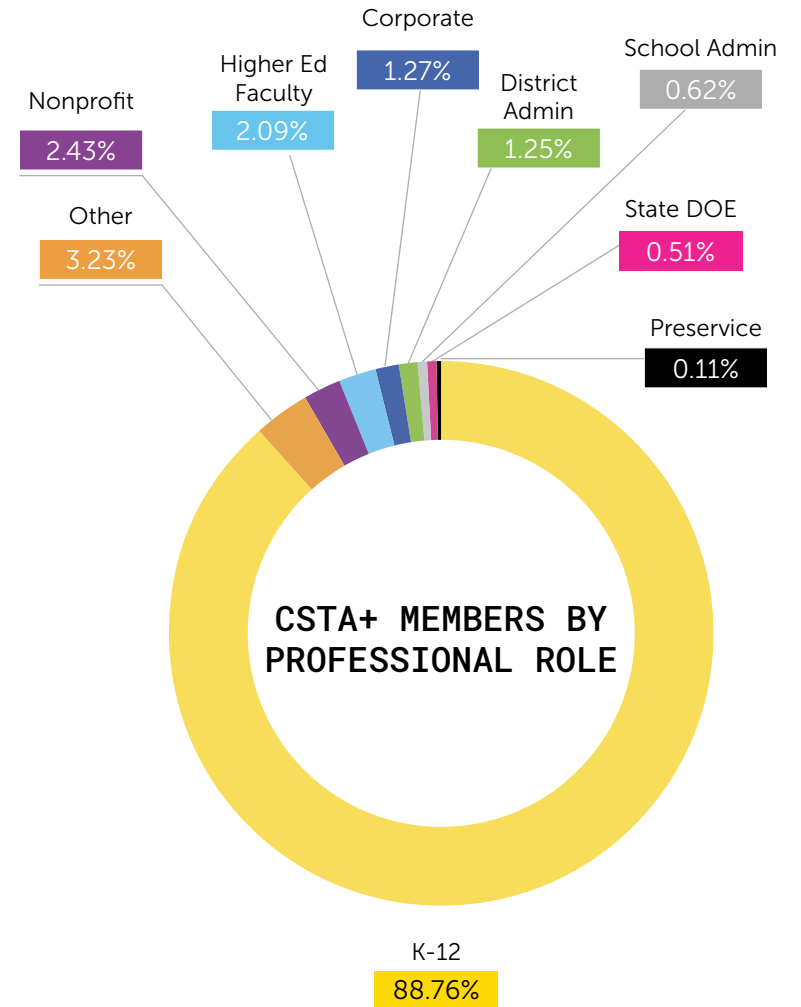
Building Community

Nurturing a Growing Community

In July 2018, CSTA+ membership launched with 400 new members joining on day one. Since then CSTA+ membership has continued to grow to 5,887 total members — a 55% increase from the previous year. Thanks to the support of our partners, including ACM, PearDeck, CoderZ, and We_TeachCS, CSTA+ members receive benefits they can't find anywhere else.

New partnerships were formed in 2021 to expand the CSTA+ benefit library and offer valuable discounts on classroom products, PD, and hardware. Accompanying webinars for members have been presented to engage potential CSTA+ members, and bring awareness to benefits. In the past year, CSTA added access to hundreds of hours of high quality professional learning content from our past two annual conferences and three summits, additional discounts and trials. We also continued to hold new member orientations to ensure all members felt welcome and were aware of these benefits.

Thank you to Amazon Future Engineer for investment in teachers across the country with CSTA+ memberships to expand their professional learning.



Membership Events	Events	Participants
New Member Orientations	13	382
CSTA+ Webinars	9	287
Total Member Events	22	669

Building Community

Computer Science Honor Society Program Continues Expansion

In the second year of this program, 200 Computer Science Honor Societies (CSHS) have been formed and renewed. In fall 2020, over 45 new societies were brought on to the program, reaching more than 4,000 students across the United States.

In August 2020, the CSHS program held its first webinar to help virtual teachers engage their students with starting CSHS and ideas for virtual service projects. Following the webinar, CSTA helped launch the inaugural [CSHS Committee](#) to support the program and advise on growth and development.

In December of 2020, thanks to our partners Google, CyberStart, and Infosys Foundation USA, CSTA again offered CSEdWeek grants to help provide funding to societies all over the U.S. These projects focused on building the CS community, awareness of the CSHS program, and student leadership. During the CSTA 2021 Annual Conference, the CSHS Committee held two sessions to inform potential members about the program and an in-depth session to help support current CSHS advisors. We are excited to continue supporting more webinars and programming for CSHS and volunteers.



Building Community

Equity Fellowship CSTA Expands Equity Fellowship Program

In July 2019, CSTA launched its Equity Fellowship, a selective, year-long program designed to develop leadership in equitable teaching practices and advocacy. We expanded the program in 2020-21 to include 15 CS educators (expanded from 10 in year one) representing eleven different states with a wide range of grade-level expertise in grades K-12. Despite meeting only virtually, our second Equity Fellowship cohort has been very productive and successful.

Fellows created short flash talks, several of which were incorporated into the keynote sessions at the CSTA conference. Each fellow also wrote articles focused on equity in K-12 computer science in the CSTA Voice across the year-long program. The fellows focused on several collaborative projects, including the inaugural Equity in Action Summit. See more information below in the submit section.

Other developed projects include a series of identity-inclusive workshops, an equitable CS teaching practices book, and the foundation for One Voice in CS podcast and website.

“Since starting my journey as an educator four years ago, I’ve taught almost exclusively marginalized communities. I fought to become a full-time public school teacher because I see computer science as a way of positively impacting underserved communities.”
— Eric Foster, 2020–21 CSTA Equity Fellow



Building Community

CS Teaching Excellence Awards

For the 2020-2021 award year, CSTA expanded the CS Teaching Excellence Awards beyond fifteen national winners to recognize an additional fifteen teachers, thanks to funding from the Infosys Foundation USA. The additional financing for fifteen winners allowed CSTA to develop a regional recognition program, where five chapters committees selected winners from a pool of candidates not selected at the national level. Additionally, beyond the recognition of the regional teacher with a stipend, chapter grant funds were provided to hold a virtual/in-person awards event to build community and celebrate the accomplishments of local winners.



National Winners

Mary Ann Cassidy
 Kathleen Effner
 Dr. Tamika Grizzle
 Benadette Manning
 Monika Moorman
 Regina Nadbielny
 Kyle Pierre
 Jeremy Schwartz
 Sonia Spindt
 Barbara Teterycz

Honorable Mentions

Michele Cislo
 Dinisha Dean
 Jennifer Manly
 Amy Wright
 Heather Wright

Regional Winners

Illinois

Anita Debarlaben
 Adam Lueken
 Daniel Ravury

Georgia

Lakeisha Fuller
 Victor Hicks
 Philip Peavy

Kentucky

David Lane
 Jonathan Lowe
 Chad Niedert

New Jersey

Gary Hull
 Nancy Ricca
 Danielle Vandenberg

Massachusetts

Ruth Farmery
 Kara Hass
 Eleanor Richard

CSTA/ACM Cutler-Bell Prize

2020–21

Sahithi Ankireddy
Maurice Korish
Brian Minnick
Emily Yuan

2019-2020

Kevin Meng
Lillian Kay Petersen
Axel S. Toro Vega
Zeyu Zhao
Raghav Ganeth, Honorable Mention

2018–2019

Naveen Durvasula
Isha Puri
Eshika Saxena
Varun Shenoy

2017–2018

Sreya Guha
Amir Helmy
Amy Jin
Benjamin Spector & Michael Truell

CSTA Volunteer of the Year

2021

Jane Prey
Bobby Schanabel

2020

Pat Phillips

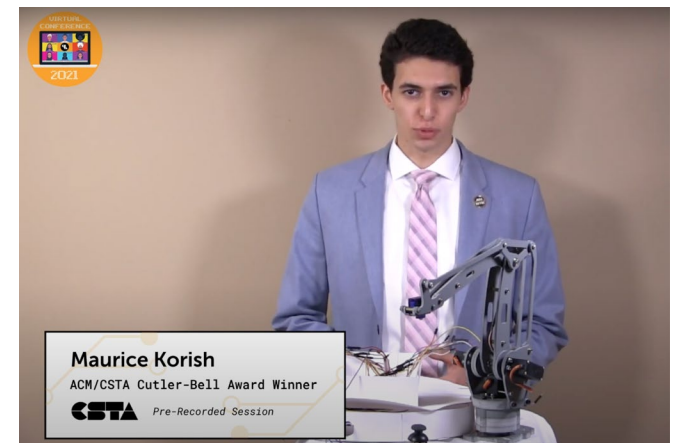
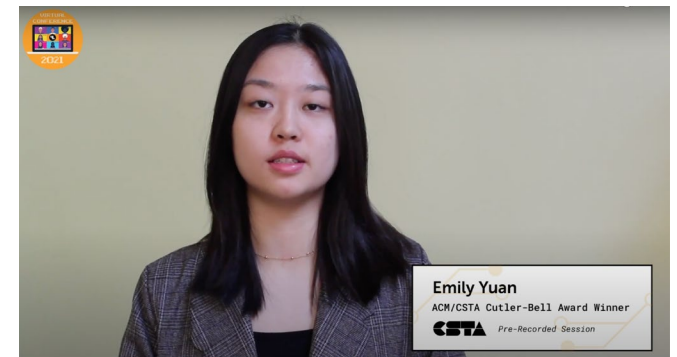
2019

J. Philip East

2018

Stephanie Hoepfner

Congrats to the CSTA 2021 Volunteers of the Year!



Ongoing Professional Learning

CSTA Hosts Successful Virtual Annual Conference

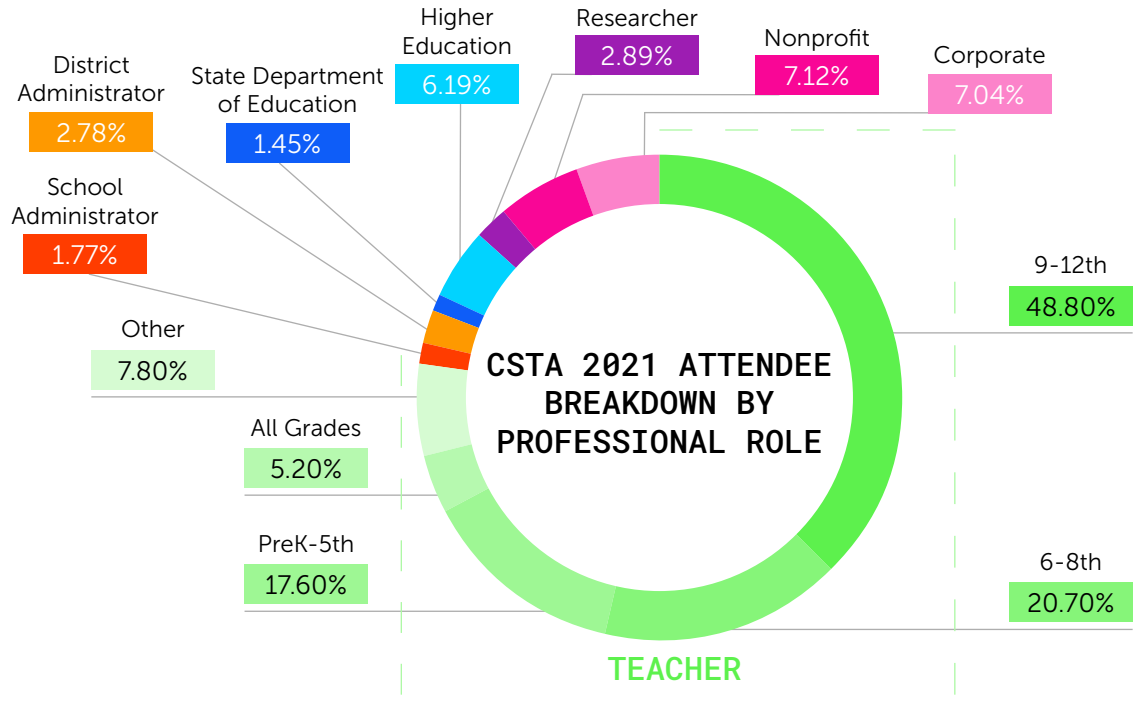


CSTA was able to deliver another high-caliber virtual conference, created for teachers, by teachers. In providing the experience our members have come to love and expect, we've been able to continue to build community in a virtual world.

Satisfaction: **99.1%**
Turnout: **2,354**

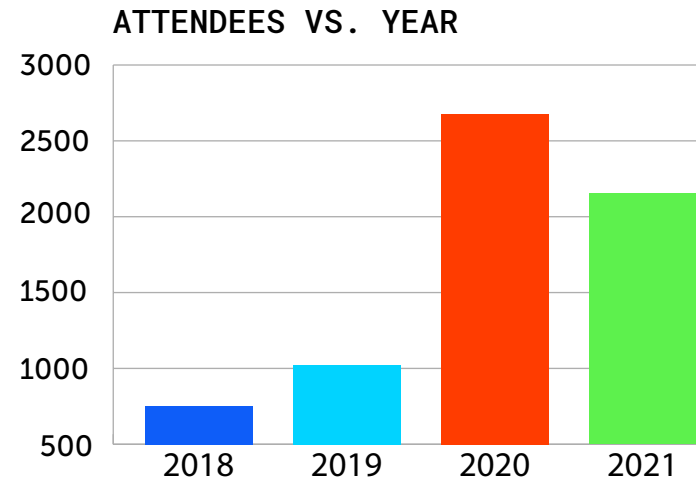
The program

- General Sessions: **5**
- Workshops: **28**
- Birds of a Feathers: **30**
- Sessions: **124**
- Breakout Sessions: **124**
- Mini-Sessions: **27**
- Posters: **20**
- Presenters: **459**



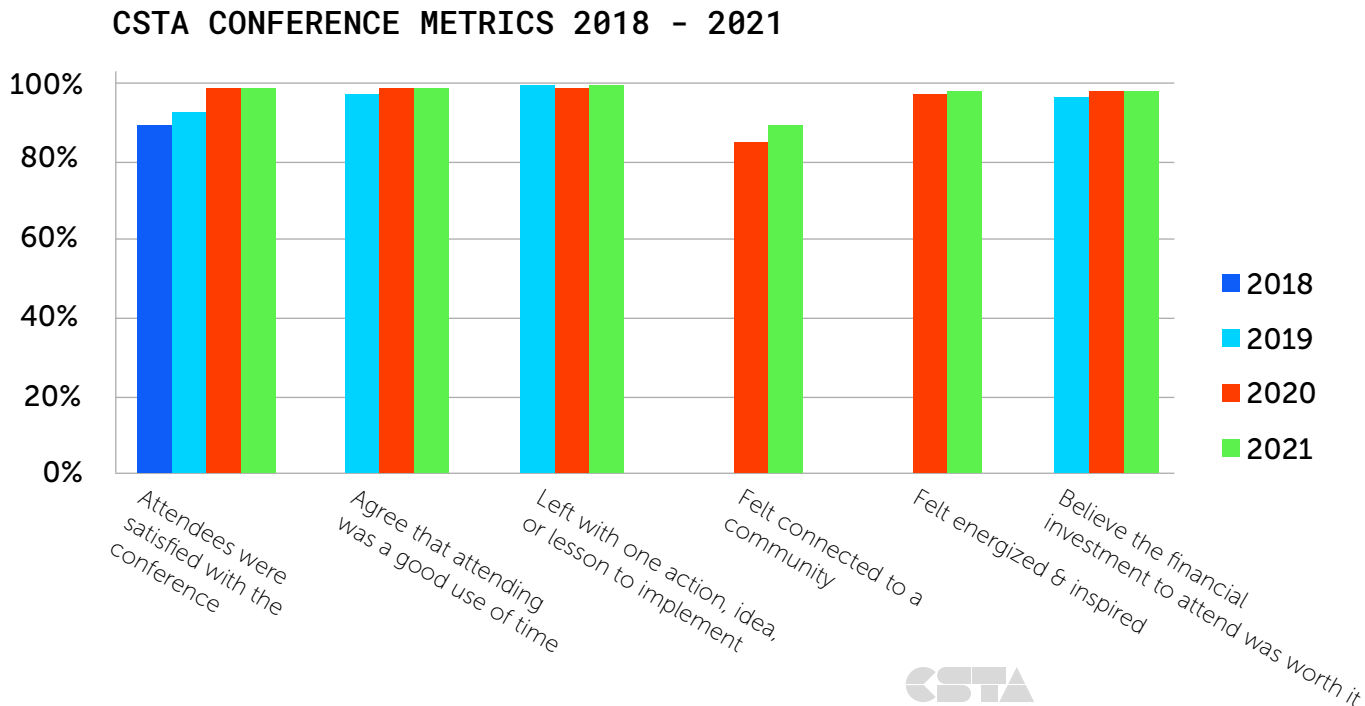
Ongoing Professional Learning

CSTA Conference Experience Overview



New in 2021: CSTA Admin Track

CSTA 2021 hosted the first-ever administrator track with content designed to help school and district administrators build a pathway to computer science. With over 100 administrators registered, CSTA was able to engage a new audience. Sessions such as “Coaching & Supporting CS Teachers’ Professional Development” and “Selecting and Supporting a New CS Teacher” helped administrators learn from each other on how to best support their CS staff, whereas sessions such as “Building Administrators’ Capacity to Scale Equity-Minded CS” and “Conduct and Equity Audit to Improve Equity at Your School” helped to bring equity to the forefront of planning for CS at all schools. Overall the program is a great success, and we are looking forward to engaging administrators at future CSTA events.



Ongoing Professional Learning

CSTA Introduces Summits

After the success of the 2020 Annual Conference, CSTA looked for opportunities to continue to meet the needs of our members throughout the year. We launched three virtual summits, with over 1,000 participants across all three. These summits another great opportunity for teachers to learn from their peers, connect with their community, and engage with CSTA.

Totals

1320

Registrants

1014

Participants

99.2%

Attendee satisfaction

95

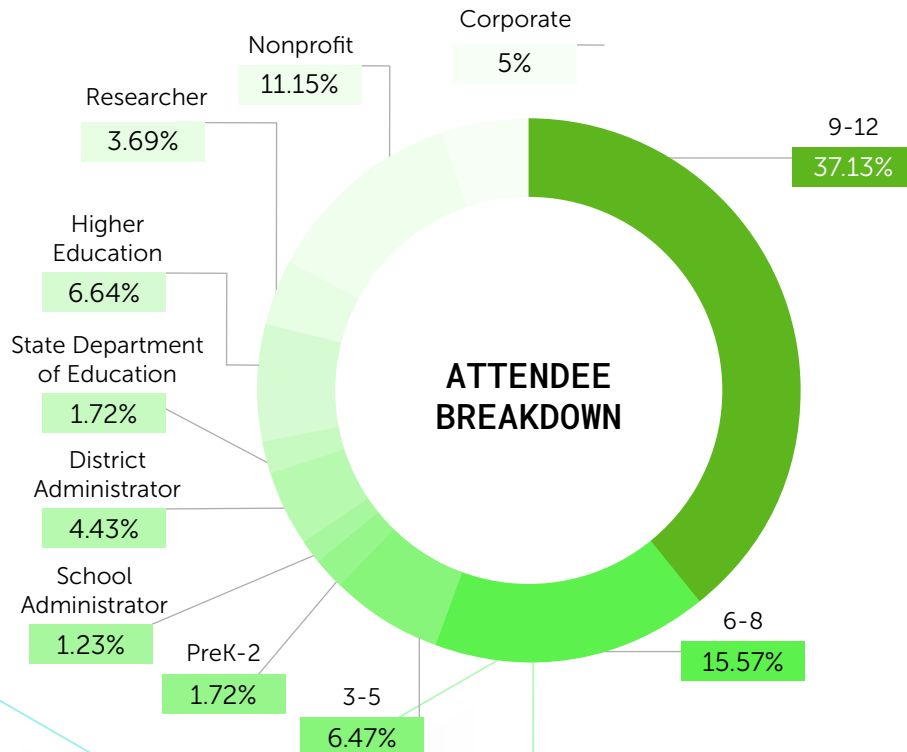
Sessions

38

Chapter/regional meetups

33

Scholarships awarded



Ongoing Professional Learning



Virtual Teaching Summit

Our first summit focused on the transition to virtual teaching. Since the 2020-2021 school year would be the first full school year where teachers would begin the year in a virtual environment, we wanted to provide a space for teachers to connect with each other and prepare for the virtual school year. The summit focused on supporting K-12 computer science teachers with strategies and best practices to assist in transitioning classrooms to a virtual environment.

“This was a perfect way to gain confidence, encouragement, and camaraderie before the start of a new and challenging school year. Thank you for offering this great day of collegiality!”
- Dianne McGaunn, 6th - 8th Grade Teacher



Future of CS Summit

Our second summit took place in January 2021. This half-day online summit was an opportunity for K-12 CS educators to learn about emerging concepts in the field of CS and engage with industry experts on topics on the horizon. With keynotes from Tye Brady, Chief Technologist for Amazon Robotics, and Dr. Nicki Washington, Professor of the Practice, Computer Science, the event focused on many different emerging technologies and was rooted in keeping the future of CS accessible to all students.

“This was the first time I attended. At first, since it was virtual, I thought of just jumping on and off since it was a Saturday. However, I was not able to get off my computer. The Keynote speakers were amazing, the sessions I attended had such experienced presenters and gave us so many good resources and ideas that I did not want to leave and miss anything. This summit went beyond my expectations!”
- Rudy Escobar, Nonprofit STEM Coordinator

Ongoing Professional Learning

Equity in Action Summit

The CSTA Equity Fellows drove our final event. This virtual event was designed to bring together K-12 computer science teachers for a call to action to transform our approach in providing equitable CS education. The summit explored topics that included transforming our approach to providing CS education rooted in justice and engaging in strategies to equip ourselves with resources on representation, access, and culturally sustaining pedagogies, with keynotes by Dr. Allison Scott and Dr. Kamau Bobb. The event concluded with attendees developing an action plan to increase CS education access to all students and to empower students to use CS in a just way.

“The CSTA Equity in Action Summit was one of the best conferences (virtual or in-person) I’ve attended as an educator, full-stop. I listened to and learned from leaders in the field and took away concrete action steps to further advance equity in CS education. CSTA gives me hope that we can tackle some of the most challenging equity issues in our society.

- Chip Weber, 9th - 12th Grade Teacher

Erika Eason @EasonEdTech · Mar 6, 2021 · Twitter Web App

Still haven't mastered tweeting while in PD, so just want to give props to [@csteachersorg](#) for a great [#CSEquityinAction](#) summit. Strong presenters, food for thought, opportunities for connection, and support for dev action plans. So glad to have been here!

4:35 PM · Mar 6, 2021 · Twitter Web App

2 Likes

Erika Eason @EasonEdTech · Mar 6

Replying to [@EasonEdTech](#)

Opening keynote at [#CSEquityinAction](#) by [@AllisonScottPhD](#) started the gears churning: "we are trying to layer CS education on top of a deeply inequitable system" "Incremental progress while the world changes rapidly around us is insufficient"

1 2 4

Erika Eason @EasonEdTech · Mar 6

Then [@roneglash](#) [@audreybennett](#) "Liberation Technology: Decolonizing CS Classrooms" challenging us to question assumptions we make about what cultures know, understand & have achieved. Our current perceptions/attitudes are tainted by what western colonizers believed. Question it!

1 1 1

Erika Eason @EasonEdTech · Mar 6

Later [@ChariosiTeach](#) reminded us in her session that "Most of the K12 student pop. born during this century will belong to groups that have been (historically) and still are (currently) underrepresented in the field of computing" [#CSEquityinAction](#)

1 1

Erika Eason @EasonEdTech · Mar 6

Closing keynote [@kamaubobb](#) suggested our country is in a second Reconstruction -- I hadn't thought of it that way before -- it's important we not slide into a second Jim Crow. [#CSEquityinAction](#) has a lot buzzing in my head.

3

Ongoing Professional Learning

CSTA Introduces Monthly Professional Learning Series

The Professional Learning Series (PLS) provides monthly virtual webinars covering CS content, pedagogy, and equity-focused professional development aligned with teaching standards. CSTA hosted ten sessions, most of them traditional webinars, a 3-part series on formative assessment, a conversation with a CS influencer, and a Code 'N Play event that provided educators time to build community while exploring a coding program of choice.

Participation



MEET COURTNE SMITH, FOUNDER & CEO
...a fireside chat.

PROFESSIONAL LEARNING SERIES

CSTA

Courtne Smith, Founder & CEO NewNew

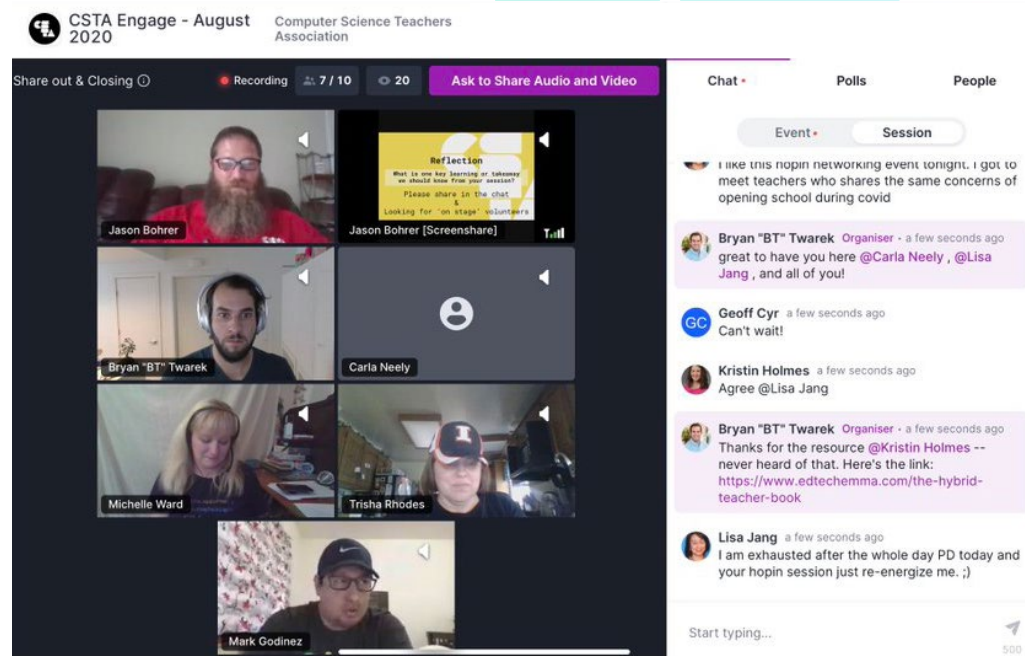
Formative Classroom Assessment for Teachers
in K-12 Computer Science

Ongoing Professional Learning

Expanding Community and Professional Learning through CSTA Engage

CSTA Engage was a new initiative launched in 2020-21 with a three-pronged purpose of (1) Providing an opportunity for teachers to connect with and learn from other K-12 CS teachers around the world, (2) Engaging CSTA members who lack an active local chapter and/or encouraging members to find and join their local chapter, and (3) Providing a model and ideas for Chapter Leaders to use in their own events. CSTA Engage includes time for networking with others, a featured PD session, and time for breakouts based on topics of interest.

In its first year, we held nine events, reaching over 400 educators from around the globe. The devoted attendees refer to themselves as Engagiacs. Focal topics included supporting students with learning disabilities, student competition resources, a SIGCSE research showcase, an industry panel, and CSEd Week and CSTA Conference previews.



9

events

407

participants

Ongoing Professional Learning

CSforEL Program Focuses on Professional Development

CSforEL is a four-year research project funded by the US Department of Education aimed at attracting, retaining, and engaging English learners (ELs) in AP Computer Science Principles (AP CSP) in Arizona, New Mexico, and San Diego County.

CSTA, in partnership with the California Reading and Literature Project (CRLP) and the University of California, San Diego (UCSD) Department of Educational Studies, virtually offered two one-week-long summer professional development sessions (June 21-25, 2021, and July 6-9, 2021) for computer science teachers who work at randomly-selected treatment schools. The 22 teacher participants attended one of the week-long sessions. The professional development goal was to prepare Computer Science teachers to analyze the content areas, identify language demands, and plan lessons suitable for ELs while maintaining rigorous content standards.

The learning continues throughout the school year to support teachers in implementing the strategies they learned in the summer. During the school-year professional development, we will conduct four mini-lesson study cycles in the fall and winter, where teachers will plan, implement, and reflect on lessons with a particular focus.



“I was really impressed by the quality of the presentations and applicability of the content. I felt connected with other educators who all have the same goal: to reach our students in the most effective, supportive way possible in ever-changing environments. I left with concrete ideas to start my hybrid/virtual learning journey for not only content but also social-emotional concerns, which are so important right now, more than ever.
- Annie Kelly, 9th - 12th Grade Teacher

Ongoing Professional Learning

CSTA Leads Expanded Computer Science Professional Development Week

This was the first year of Expanded Computer Science Professional Development Week (E_CSPD_Wk), a project funded by an EIR grant from the U.S. Department of Education. This year, CSTA designed and implemented a week-long, 30-hour professional development experience in collaboration with the STEM, Center at The Citadel, the South Carolina CSTA Chapter, and the South Carolina Department of Education.

This virtual event, held July 26-30, 2021, provided South Carolina teachers with training in computer science content and pedagogical practices, providing PD credits for recertification. All South Carolina teachers from K-12 public and charter schools teaching computer science (as a stand-alone course or within another subject area) in the 2021-2022 school year were invited to attend. Teachers could choose from 11 different PD workshops. The workshop options provided training for teachers with varying levels of teaching and computer science experience, covered different computer science topic areas, and addressed the needs of teachers across K-12 grade levels.

ATTENDEES

Total accepted/registered attendees: **316**

Total teachers who fully participated in workshops and required work: **287**

THE PROGRAM

of 30-hour PD workshops offered: **11**

of additional sessions: **9**

of networking sessions: **5**

Plus daily virtual contests and activities

“SC CSPD Week was an awesome learning opportunity. It allowed me to dive deep into a tool I will be using with my students, learn from experts and network/build relationships with my SC CS teaching peers! 10/10 would recommend!

- Brittany Frohnhoefer

“I was very fearful of CS.... However, after being exposed during CSPD week to different resources, including but not limited to: lessons, sites, and strategies, I am now equipped to empower my students whilst learning and growing with them. I can only get better from this point.

- Kadene Witter-Headley

Ongoing Professional Learning

2020–2021 At-a-Glance

Direct-to-member PD and events were new in the last year. In addition to our annual conference, we held 47 other events, with 2,986 attendees. The majority of these events focused on ongoing professional learning for K-12 computer science teachers.

Here is a summary of all professional development held:

PD Events	Events	Participants
Conference	1	2,354
Summits (Virtual Teaching, Future of CS, Equity in Action)	3	1,026
Professional Learning Series	10	546
Engage Meetups	9	407
Other PD (e.g., research, lesson planning workshop)	3	338
Total PD	26	4,671



Independent Guidance

CSTA Leads CSEdWeek 2020

CSTA took on leadership of Computer Science Education Week in 2020. This included a reimagining of the week's structure and the launch of a new website! The team identified five core actions teachers and community members should take during CSEdWeek and built programming around each key area.

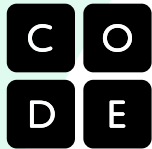
Monday: Teach how CS shows up in so many common places and spaces!

- ▶ As the leads of the program, we expanded our CS Heros posters to highlight 11 amazing individuals who are using computer science to fight for social justice.



Tuesday: Inspire students and their families to learn CS

- ▶ Tuesday was all about inspiring your students to want to get more involved in CS.



Wednesday: Advocate for policies supporting CS education

- ▶ Partnering with the ECEP Alliance and Kapor Center, Wednesday focused on ways to become an advocate for computer science education.



The 2020 CSEdWeek theme was #CSforSocialJustice. The goal was to shed light on how Computer Science can serve as a catalyst for social justice. Without access to rigorous computer science and STEM courses, underrepresented students have limited opportunities and aspirations to develop computing knowledge. All programming and resources that CSTA created were viewed through this lens and the core action of each day.

Thursday: Involve your community in advancing CS education

- ▶ Thursday was jam-packed with various partner events, encouraging teachers to learn about and advocate for CS implementation and equity in their regions.



Friday: Celebrate and thank a teacher for their commitment to this work

- ▶ Friday allowed CSTA to showcase what we do best: highlighting and celebrating teachers. We [produced a video](#) thanking teachers for their time and hard work over the last year and took a moment to celebrate the community on social media.

94,000+
Visitors to the 2020
CSEdWeek website

5,200+
Views of CS
Hero posters

4,900+
Streams of
kickoff event and
thank you video

Independent Guidance

National Teacher Survey Report with the Kapor Center

CSTA partnered with the Kapor Center to conduct a national survey of K-12 CS teachers in the U.S. to understand the current landscape of CS teachers, their demographics, identity, teaching background, school context, professional development, curriculum, instructional practice, satisfaction with CS teaching, and knowledge of and use of culturally responsive teaching practices. Between May and July 2020, a total of 3,693 K-12 CS teachers across the U.S. participated from all 50 states.

In the fall, we published a brief on how COVID has impacted K-12 CS education, and in the spring, we released the full report. View the reports at csteachers.org/landscape, including an interactive dashboard showing PreK-12 CS teacher demographics by state.

High-level recommendations include:

1. Develop incentive structures to recruit, retain, and diversify the pool of CS teachers.
2. Build comprehensive teacher training, certification, and endorsement programs aligned to an equity-focused computing education framework.
3. Expand access to ongoing teacher professional development.
4. Prioritize CS as a core course across the PreK-12 pipeline.
5. Build a district-wide coalition to champion an equitable CS implementation plan.



THE COMPUTER SCIENCE TEACHER LANDSCAPE: RESULTS OF A NATIONWIDE TEACHER SURVEY

May 2021

Authors

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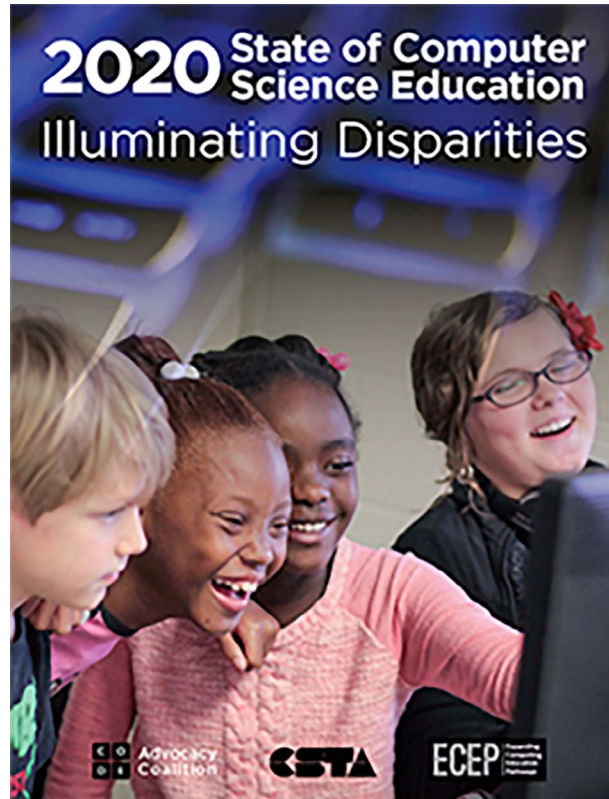


Independent Guidance

CSTA Continues Partnership on State of CS Report

For the 3rd year in a row, CSTA partnered with Code.org and the Expanding Computing Education Pathways (ECEP) Alliance to produce the [2020 State of Computer Science: Illuminating Disparities](#) report.

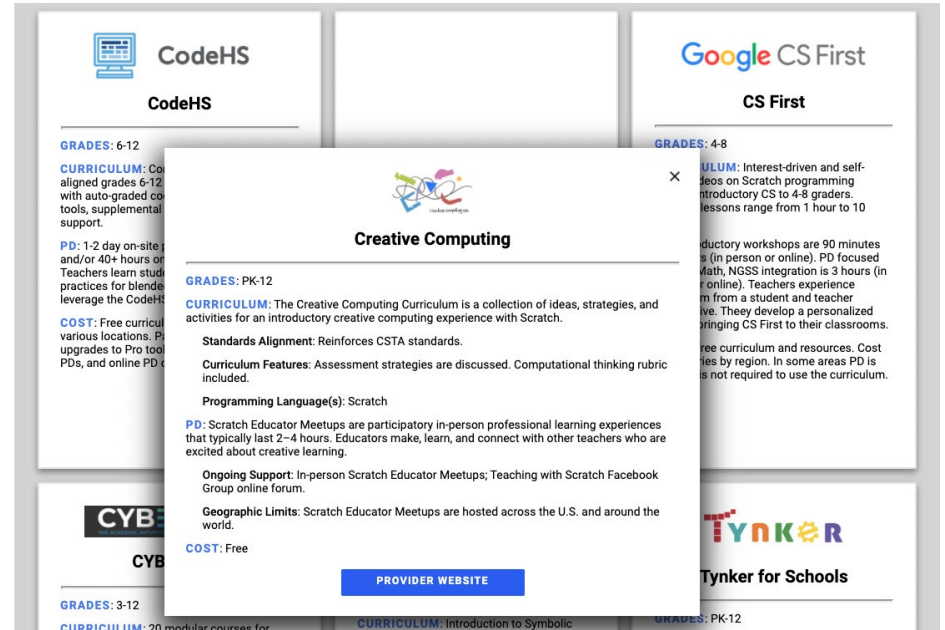
This year's report shows that computer science education is more important than ever. The COVID-19 pandemic has highlighted our society's reliance on computing and its power to help businesses innovate and adapt, yet at the same time has surfaced greater disparities for students studying computer science. Access to computer science is key to addressing the equity issues in society, yet only 47% of our nation's high schools teach foundational computer science.



Independent Guidance

CSTA Curates Quality Professional Development

CSTA curates quality [professional learning opportunities](#) for K-12 computer science teachers. PD providers submit their programs to the committee for review. The CSTA PD committee includes a diverse and esteemed group of experts who independently develops and maintains a trusted list of quality PD opportunities driven by CS teachers' needs. Committee members include teachers, teacher supporters (e.g., administrators, coaches), researchers, and PD providers. In addition to reviewing submissions, the committee will also continuously improve the process and display, research and report on trends among current opportunities, and provide guidance for and community among PD providers. After the committee approves a PD opportunity, it is displayed on the CSTA website, where CS teachers can search for relevant PD based on their needs and goals through an interactive web display.



Independent Guidance

CSTA Hosts Professional Development Provider Summit

In its third iteration, CSTA staff, PD Committee, teachers standards working group, and Kapor Center collaborated to hold a virtual Professional Development Provider Summit on July 16 after the annual conference. The summit was open to designers of PK-12 computer science PD programs at scale, including but not limited to those programs accredited by the CSTA PD Committee. The goals were to help build community among PD providers across organizations, discuss best practices, exchange ideas, and improve together as PD providers. The summit included presentations, and breakout discussions focused on the CSTA Standards for CS Teachers and the Kapor Center’s Culturally Responsive-Sustaining CS Education Framework. This was a first step towards building a community to help support the difficult and valuable work of CS PD providers, and the committees plan to continue holding meetings focused on networking and exploring different topics at least once a year.

47 different organizations or institutions represented at summit	100% felt satisfied with the event, and left feeling closer connected to the PD provider community
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Independent Guidance

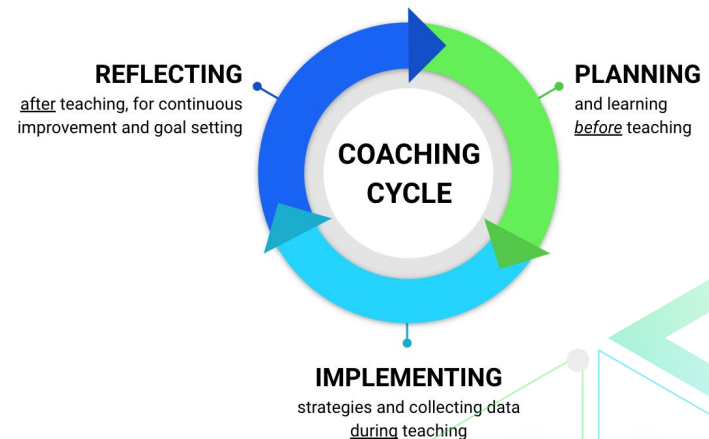
CSTA Publishes Resources for Standards for CS Educators

The [CSTA Standards for CS Teachers, published in 2020](#), are designed to provide clear guidance around effective and equitable CS instruction in support of rigorous CS education for all K-12 students.

A large number of volunteers organized across five working groups have developed a new set of resources aligned to the CSTA Standards for CS Teachers. Resources now include many resources designed specifically for different audiences:

- ▶ **K-12 Teachers:** self-assessment checklist and roadmap for professional learning to help teachers set prioritized goals for their ongoing professional development; PD in a box to guide reflection and goal setting
- ▶ **K-12 Administrators:** recommendations for how district and school leaders can support K-12 CS education, including a classroom evidence / look-for tool and CS coaching toolkit
- ▶ **PD Providers:** guidance and rubrics for PD providers to self-assess how well their programs align with the Standards and key principles of effective PD, including sample reflections
- ▶ **Schools Of Education:** guidance for how colleges/schools of education can create computer science programs using the Standards, including case studies, field experiences, and exemplary activities
- ▶ **Policymakers:** recommendations for how policymakers and state leaders can support K-12 CS education and the Standards

We also have other resources, including a [K-12 CS education glossary](#) and [synthesis of inclusive teaching practices](#). All resources are organized on this [webpage](#).





Operational Foundation

CSTA Financials

CSTA had a strong fiscal year. We'll be updating this section of the report following the completion of our FY21 audit.

Operational Foundation

We're in This Together

CSTA is able to support K–12 educators thanks to our generous network of partners.

2020–2021 CSTA Year-Round Partners

Strategic Partners:



Partners:



Operational Foundation

2020–2021 CSTA Annual Conference Partners

Amazon Future Engineer	Facebook	Pitsco Education
American College of Education	Firia Labs	Popfizz Computer Science
Apple	Girls Who Code	Presidential Awards for Excellence in Mathematics and Science
Arm	Goodheart-Willcox	Teaching Project STEM
Binary Logic SA	Google	Repl.it
Birdbrain Technologies LLC	IBM	Robolink
BootUp PD	Infosys Foundation USA	Robotical
Center for Education Integrating Science, Math, and Computing (CEISMC)	Learning.com	Tanium
Class Technologies Inc.	LinkedIn	Teach Cyber
CMU CS Academy	Lockheed Martin	Texas Advanced Computing Center
Codelicious	Micro:bit Educational Foundation	Texas Instruments
CoderZ	Micron	The Rosen Publishing Group
CodeScty	Microsoft	Turing's Craft
Coding Rooms	Mouse	Twilio
Codio	National Center for Computer Science Education	Tynker
Cognizant U.S. Foundation	National Center for Women in Technology (NCWIT)	UMBC
Comcast	National Cybersecurity Training & Education (NCyTE) Center	University of Nebraska at Omaha
CompuScholar, Inc.	National Geographic Learning	Unruly Studios
Congressional App Challenge	Cengage	UTeach Computer Science
Construct	NextWaveSTEM	VEX Robotics
CyberStart America	Oracle Academy	Virtual Robotics Training Academy
Dominion Energy	Peardeck	Wix
EiE - Museum of Science	Phidgets Inc.	
F45 Training		

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Institutional Partners

A+ Computer Science	CreatiCode	Sacramento County Office of Education
American Computer Science League	DroneBlocks	Stanford University CS Department
Apple Education	Excalibur Solutions STEM Academy	Stockton University
Auburn University	Florida Virtual School	St. Catherine University
BirdBrain Technologies	Goodheart-Wilcox Publisher	Teach Cyber
Blackbird Code	Halls of Learning	Technology Student Association
Black Girls Code	Harris Education Solutions	Texas Advanced Computing Center (TACC) at
Bootstrap	Human Interaction Institute - CMU	UT Austin
BootUp P.D.	IBM SkillsBuild	TwilioQuest
CMU CS Academy	National Center for CS Education	University of Alabama
Codio	National Center for Women in Technology	University Of Delaware
Codelicious	North Carolina Department of Public	University of Maryland - Baltimore County
CodeGrade	Instruction	University of Michigan - School of Information
CodeHS	PaTTAN	UNT CSE
CoderZ	Phidgets Education	Unruly Studios
Codespark	Popfizz Computer Science	Upperline Code
CodeVA	Raspberry Pi Foundation	UTeach CS
CodeNinjas	Rex Academy	Virginia Tech
Coding Rooms	Robotify	Wyoming Department of Education
CompuScholar, Inc.	Rosen Publishing Group	

CSTA+ Benefit Partner Providers

ACM	CompuScholar	Taken Charge
Blackbird Code	No Starch Press	The College of St. Scholastica
Birdbrain Technologies	Peardeck	Unruly Splats
Chibitronics	Pluralsight One	We Teach CS
CoderZ	Phidgets Education	Wonder Workshop
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CSTA would like to give a special thank you to our Board members who completed their terms during this time:

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