



2023

Impact Report

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Letter from our CEO



Welcome to our 10th annual impact report. In 2023, we celebrated 10 years of impact, inspiring millions of teachers and students to learn computer science. In fact, we kicked off the year with an incredible milestone: More than 80 million student accounts have been created on Code.org. That reach is amazing, and it wouldn't be possible without you and our other supporters.

2023 was also a turning point for Code.org in two significant ways. The first is that we kicked off a campaign to make computer science a high school graduation requirement for every student. The second is our effort to incorporate artificial intelligence throughout the Code.org curriculum — in our products, our courses, videos, and even Hour of Code activities. Both of these activities will take years of work, and our 2023 impact report outlines our successes and challenges.

There's more to come in 2024, including more AI advances and exciting new products. But one thing will never change: Our commitment to ensuring every student in every school has the opportunity to learn computer science. I invite you to dive into our 2023 Impact Report and witness the tangible efforts of your generosity. Thank you for your support.

A handwritten signature in black ink that reads 'Hadi Partovi'. The signature is written in a cursive, flowing style.

Hadi Partovi

2023 Highlights

10th anniversary

In just ten years, Code.org sparked a global CS revolution:

100M Students and **2M** teachers
learning across 190 countries

Policy change in all **50** U.S. states

CS plans in **70** nations

1.6 billion Hours of Code served

Code.org celebrated its birthday throughout 2023 with a timeline of milestones, staff celebrations, and a gala event in October.

Hour of Code: Creativity with AI

Artificial intelligence is changing the global workforce and education. **Code.org captured the excitement and possibilities of AI during its 2023 Hour of Code** celebration by updating our most popular educational activity: Dance Party. By using generative AI to create unique background animations for its music videos, Dance Party: AI Edition made AI accessible and fun for all ages — the activity was played 1.5 million times in just the first month of availability.

Best of STEM Awards

Code.org was the winner in five categories — more than any other organization — in the 2023 Educators Pick Best of STEM® 2023 Awards. Our entire platform won Bridging the Gap for English Language Learners, our 6-12 curriculum won Best Resources for Culturally Relevant Teaching, and our CS Connections curriculum won Best Integration of Language Arts, Trailblazer in Early Learning, and Best of STEM for Environmental Science. Code.org is passionate about providing new and creative ways for students and teachers to engage with computer science and we're thrilled that these products are doing just that.



Education

Maker/physical computing

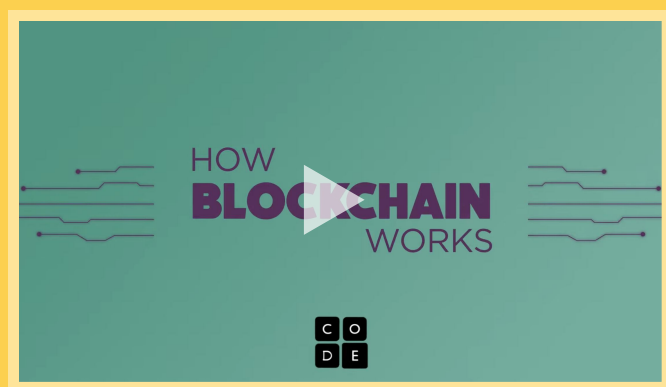
Within computer science, **maker education takes STEM a step further by inviting hands-on experience and collaboration into the classroom to help teach problem-solving and critical thinking.** That's why, in 2023, Code.org made its popular physical computing unit from the Computer Science Discoveries curriculum available as a stand-alone unit fit for grades 6–12. Students use App Lab and either Adafruit's Circuit Playground or the BBC micro:bit to develop programs that utilize the same hardware inputs and outputs that you see in smart devices.

How AI Works + AI 101 for Teachers

In summer 2023, Code.org, ETS, ISTE, and Khan Academy announced AI 101 for Teachers, a free professional learning course designed to level the playing field of AI understanding among K-12 teachers as they returned to the classroom in the fall. The five-part video series covered AI basics, ethics, bias, and more. Code.org also debuted two new educational videos on generative AI — one of which has become one of our most viewed videos of all time — starring Mira Murati of OpenAI and Cristobal Valenzuela of Runway.

CS Connections

This year, Code.org added seven new modules to its CS Connections curriculum. Intended for grades 3–5, the modules seamlessly integrate computer science into other subjects, such as math, English language arts, science, and social studies. **CS Connections is designed specifically for elementary teachers who don't teach CS or who are new to CS; the modules empower educators to integrate CS with other subjects, reinforcing, strengthening, and extending student learning.**



How Blockchain Works

In partnership with Coinbase, Code.org provided basic blockchain education to K-12 students via a new series, "How Blockchain Works." The purpose of the series — which includes videos and classroom lessons — is to educate students on what blockchain is, how it works, and its potential societal implications. **By demystifying the technology of blockchain, students can better understand how it may impact the world they live in and protect themselves from speculative crypto scams and schemes.**

A LEGITIMATE BANK

ON A REAL WEBSITE

SIGN IN TO
CONTINUE

AWESOME_J

.....

**STEAL
INFORMATION**

**STEAL
YOUR MONEY**

BANK OF UHMERICA

NÄTIONÁL BANK

SIGN IN TO
CONTINUE

AWESOME_J

.....

THANKS, SUCKER



How Not to Get Hacked

To promote stronger cybersecurity, Code.org also launched a new video series, “How Not to Get Hacked.” In the seven videos, cybersecurity experts at Amazon Web Services, Google, Microsoft, and more provide insights and practical tips for staying safe online. The series covers a range of topics critical to cyber safety, like strong passwords, two-factor authentication, and encryption — essential knowledge for not just students and teachers, but all internet users.

Activation

Grad requirements

In 2023, the Code.org Advocacy Coalition took a huge leap forward, updating its policy recommendations to include a requirement for every student to take computer science to receive a high school diploma. As of this report’s publication, **nine states have passed such a requirement: Arkansas, Indiana, Nebraska, Nevada, North Carolina, North Dakota, Rhode Island, South Carolina, and Tennessee.**

State of CS

Code.org’s annual State of CS Report revealed that 2023 was a remarkable year for CS education. **We witnessed the most significant growth in the percentage of high schools offering foundational computer science since 2018, accompanied by a record-breaking allocation of over \$120 million for computer science in state budgets.**

TeachAI

This year, **Code.org proudly launched and is leading the steering committee of TeachAI, a thought leadership initiative guiding governments and educational leaders in aligning education with the needs of an increasingly AI-driven world and connecting teaching with AI to teaching about AI, including computer science.** The initiative launched its first resource, the AI Guidance for Schools Toolkit, at the end of the year. There are 87 organizations, 24 national government agencies, and 40 state education agencies engaged in TeachAI.

International

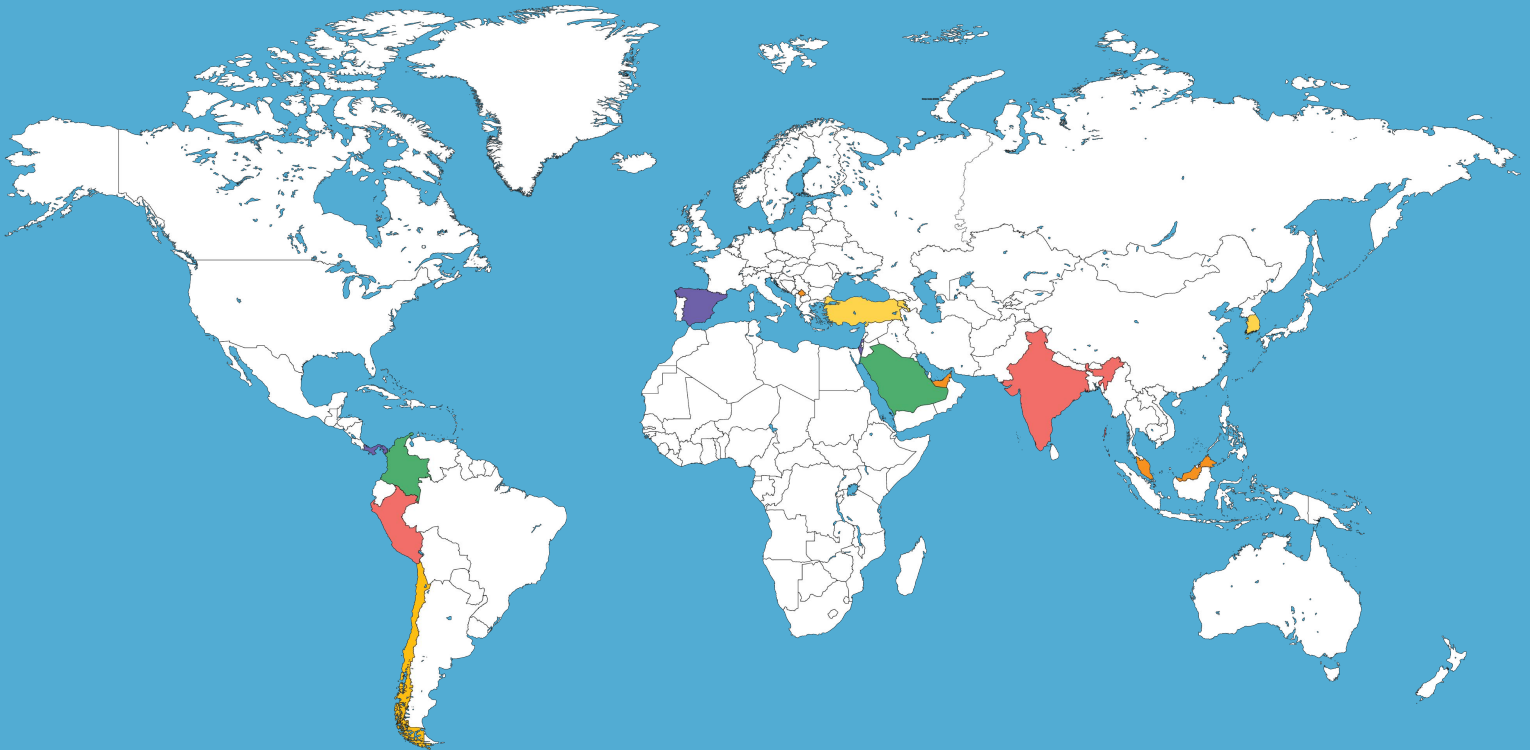
Government Commitments to Hour of Code

In 2023, governments worldwide embraced and hosted Hour of Code events.

National HoC campaigns spearheaded by ministries of education were launched in:

- Colombia
- Panama
- Turkey
- United Arab Emirates
- Kosovo
- Peru
- Saudi Arabia

Additionally, our longstanding partners in: Chile, India, Israel, Malaysia, Spain, and South Korea worked with government entities to organize impactful national campaigns.



International PD

Code.org opened its first-ever international facilitator training in 2023. Working with 25 partners across 18 countries, we now have more than 50 facilitators trained to deliver our CS Fundamentals training to local teachers. Now, more than 30,000 teachers have been formally trained by these partners to bring introductory Computer Science courses into the classrooms in their countries.

Code.org in Farsi

In 2023, our localization team translated CS Fundamentals and Hour of Code tutorials into Farsi. The team will continue translating CS Discoveries and localizing videos to increase our offerings for Farsi speakers around the world. **We are so thankful for the avalanche of support and enthusiasm from the Iranian-American community for this initiative.**

Volunteer contributions to translation

Making our content available in 67 languages requires the continuous effort of hundreds of translators. In 2023, these dedicated volunteers translated a total of 657,320 words across 28 languages. Our international partners funded and provided a translation of an additional 1.5 million words and enabled the first translation of CS Discoveries — one of our longest courses — into Italian, Slovak, and Spanish-LATAM, expanding our international offering to older students for the first time.



Code.org by the Numbers

Computer Science (CS) Adoption

2023

57.5%

US High Schools teaching CS (Data from the Access Report)
2025 Goal: 80% of all HS teach CS

**168,103 passing
(258,943 taking)**

US Students passing the AP CS exams
2025 Goal: 350,000

32

States that have established an “all schools must offer CS” policy OR a state CS plans + CS funding
2025 Goal: 50

73

70 countries have established plans for CS
2025 Goal: 70

Code.org Platform

89M

Student accounts [all-time] on Code.org
2025 Goal: 100M

45%

% of accounts from female students
2025 Goal: 47%

36M

Student accounts [all-time] on Code.org from outside the US
2025 Goal: 60M

CS A

21,425

Students that have started Code.org CS A course in the academic year

25%

Female students that have started Code.org CS A course in the academic year
2025 Goal: 160k (40%)

39%

Students from underrepresented racial and ethnic groups* that have started Code.org CS A course in the academic year
2025 Goal: 172k (43%)

Code.org by the Numbers

CS Principles

254,683

Students that have started Code.org CS Principles course in the academic year

2025 Goal: 400k

32%

Female students that have started Code.org CS Principles course in the academic year

2025 Goal: 160k (40%)

45%

Students from underrepresented racial and ethnic groups* that have started Code.org CS Principles course in the academic year

2025 Goal: 172k (43%)

CS Discoveries

947,587

Students that have started Code.org CS Discoveries course in the academic year

2025 Goal: 2M

39%

Female students that have started Code.org CS Discoveries course in the academic year

2025 Goal: 900K (45%)

52%

Students from underrepresented racial and ethnic groups* that have started Code.org CS Discoveries course in the academic year

2025 Goal: 900K (45%)

CS Fundamentals

4.6M

US Students that have started Code.org CS Fundamentals course in the academic year

2025 Goal: 5M

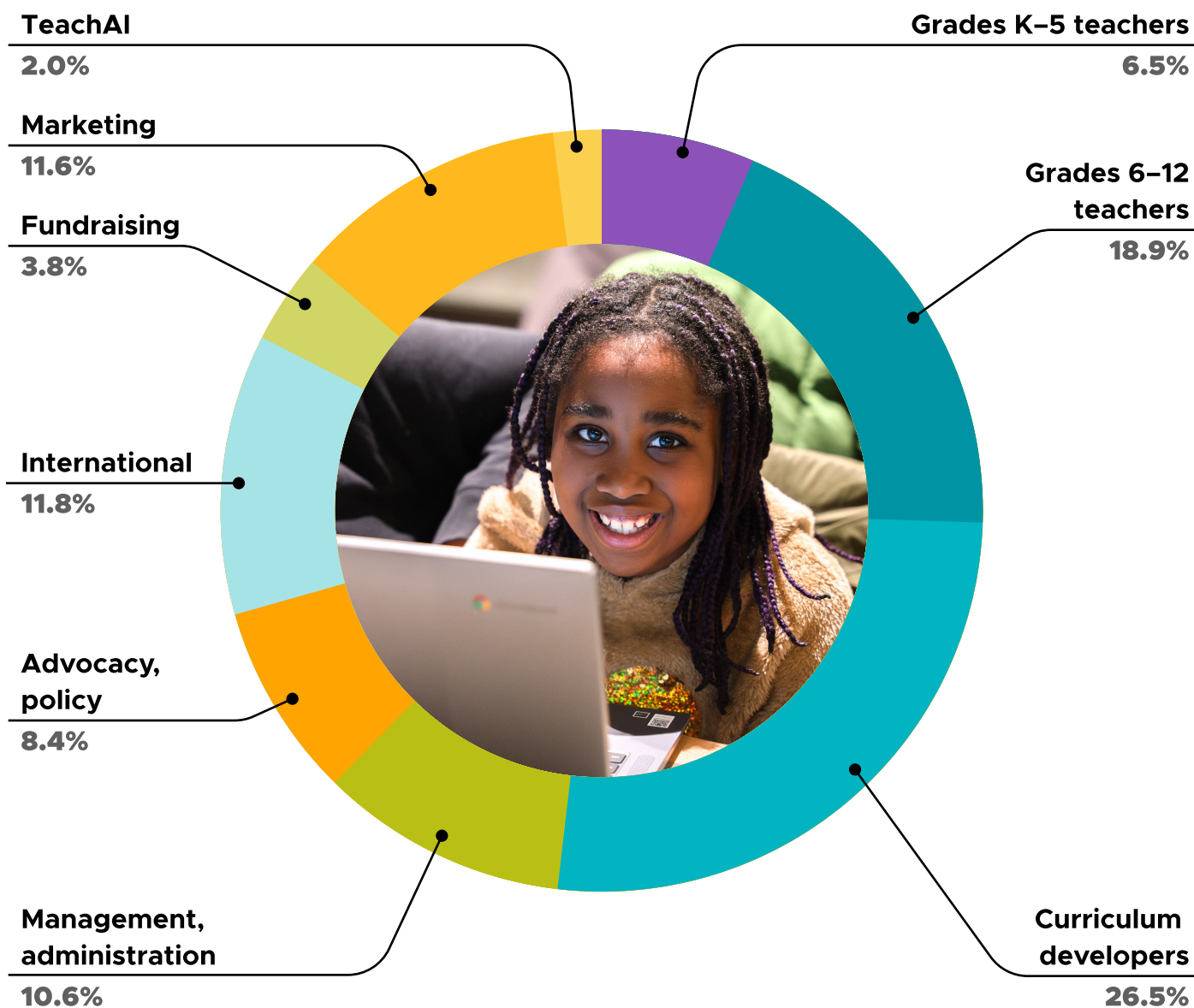
45%

US Female students that have started Code.org CS Fundamentals course in the academic year

2025 Goal: 50%

Financial Statement

For calendar year 2023 our total expenses were approximately \$33M. The chart below paints a general picture of how this money was spent.





The table below shows the total cost breakdown of our headline achievements since founding.

Areas of effort / Achievements in 2013 - 2022	Fully-loaded cost (including admin)
Diversity and Global Marketing: Hour of Code campaign: 1.6M served, reaching 20% of students globally. 48% female participation.	\$25.2 million
Curriculum + Code Studio learning platform: ~330 hours of coursework created. 2.5M teacher accounts, 80.6M student accounts. 45% female, 50% underrepresented racial/ethnic groups.	\$62.6 million
Partnership + professional learning: 59 regional partners and 522 facilitators who have prepared over 113,000 new CS teachers across grades K-12.	\$96.2 million
Government affairs: Policies changed in 50 states. More than \$343M in state budgets allocated to computer science.	\$19 million
International: Curriculum translated into more than 70 languages and used in 195 countries and territories.	\$16.9 million
TOTAL SPENT (2013-2023)	\$219.8 million

Our Generous Supporters

Code.org is sincerely grateful for our vibrant community of corporate, institutional, and individual donors. We acknowledge the following supporters who have made generous commitments of \$1,000 and above to support us in 2023.

For further details or to explore partnership opportunities with Code.org, please contact our Office of Development at giving@code.org.

\$3,000,000+

Kenneth C. Griffin



 Microsoft





\$1,000,000+

Alfred and Rebecca Lin

Anonymous

Bret and Karen Taylor

Charlie Lee and Aileen Tang

Musk Foundation

The Iranian American Community



 **SCHMIDT FUTURES**



Institutional	Individual
\$500,000+	
Atlassian Foundation International Limited	Anonymous
Infosys Foundation USA	Dara Khosrowshahi
Vianai Systems, Inc.	Vandana and Vishal Sikka
\$250,000+	
Caterpillar Foundation	F. Francis Najafi
expa.org	
Kaphan Foundation	
\$100,000+	
AmazonSmile	Ali and Melissa Partovi
Ernst & Young	Amir Ali Talasaz
Fortive Foundation	Anonymous
HP	Devin and Cindy Wenig
Humanitix	Eric and Merriman Mathewson
Humble Bundle	Shanna and Steve Nasiri
Koch Companies Community Fund	Sid and Karen Sijbrandij
Northrop Grumman Foundation	Troper Wojcicki Foundation
Richard King Mellon Foundation	Wilke Family Foundation
Twilio	Zod Nazem and Noosheen Hashemi
\$50,000+	
Accel Partners	Daniel Yates
GlobalLogic	Joe and Sarah Kiani
Illumina	Jon Sakoda
Motorola Solutions Foundation	Ken Fox
Northrop Grumman Foundation	Palvi and Kumar Mehta
SimCorp	Sameer Gandhi and Monika Lopez
Squarepoint Capital	Stanley Tang and Gloria Zhu



\$25,000+	
Aramco Americas	Craig Silverstein and Mary Obelnicki
Anonymous	David Sze and Kathleen Donohue
The Greycroft Foundation	Diane Greene and Mendel Rosenblum
	Jeffrey Huber and Angel Vossough
	Jonathan Perlow
	Misha Kordestani and Dara Rahimzadeh
	Ronald C. and Gayle Conway
\$10,000+	
ACI Worldwide	Alan Eustace and Kathy Kwan
Crowdstrike	Alex and Susie Algard
GIC	Ari Steinberg and Daniela Witten
HackVC	Aydin Senkut
Seattle Foundation	Benjamin Appen and Leslie Chang
Snap Inc.	Bryan and Eva Schreier
Textron Charitable Trust	Chris and Kylisa Howard
The Kind Foundation	Darian Shirazi

The Perkins Charitable Foundation	Farhad Massoudi
	Garrett Camp
	Hooman Radfar
	Jennifer Batchelder
	John and Judy Bevans
	Laurent Drion
	Martin Chavez
	Mehran Sahami
	Nick and Leslie Hanauer Foundation
	Nima Asgharbeygi
	Orion and Jackie Hindawi
	Parisa Tabriz
	Ramtin Naimi
	Robins Nest Family Foundation
	Sujay and Eleni Jaswa
\$5,000+	
Anonymous	Allen Kaplun
DeepMusic.ai	Anonymous
Ricoh Foundation	Cameron Poetzsch
	Erin Ayala
	Greg and Ginny Badros
	Greg Kahn
	J. Nicholas Jitkoff & Ty R. Ashford
	Jennifer and David Risher
	John and Jen Pleasants
	Lonsdale Family Philanthropic Fund
	Miriam Vilchez
	Mohsen Moazami and Laleh Amirteymour



This is the way I learn best!
 Finally a training where I was
 challenged and engaged, and my
 colleagues were right with me!
 Thank you.

CHRISTINA H.

CS Discoveries teacher



I would highly recommend this
 training to all teachers, not just
 computer science teachers. The
 curriculum and the training can be
 applied to all subjects in every school.

GREGORY M.

CS Discoveries teacher

	Nikki Pechet
	Parker Thompson
	Rebecca and Tyler Shaddix
	The Smang Family Foundation
\$1,000+	
Ad Astra Foundation	April Chu
Bain Capital	Anonymous
Foundation for California's Technology & Innovation Economy	Azadeh Khazraee
Gateway Health	Bobby Schnabel
Pexon Consulting	Brad and Kristine Porter
XTL US INC	Chandrika Sridharamurthy
	Cynthia Argani
	Darcie Brossart
	Darren Herman
	David and Angela Longo
	David Donahue
	Espinoza Family Fund

“

This was a great workshop. Tons of content, great teaching tools, strategies, and techniques. Facilitators were excellent!

CS PRINCIPLES TEACHER
Michigan





Code.org is one of my favorite resources! Helping kids grasp AI with AI for Oceans is so helpful, the videos are engaging, and I have a couple of kinder coders who CANNOT get enough of the Fundamentals course! Thank you for providing these easy-access resources to teachers and kids!

Tara
CS Teacher

	Frank Jania
	Greg Harrison
	Jacob Crosmer
	Janet Whitaker
	Jhone Ebert
	Joel and Melissa Conaway
	Kristin Yeoman
	Leila Yari
	Lorenzo Pisani
	Marvin and Joanne McIntyre Family Fund
	Michael Daum
	Parisa Tabriz
	Nansi and Ashkan Marsh
	Nazgol Moussavi and Reza Hajebi
	Nellwyn Thomas
	Nima and Cindi Badiey
	Poorya Sabounchi
	Preetika Jain
	Rebecca Dodgen
	Spencer Rascoff
	Terri Delfino
	Weider Chang
	Zahra Tashakorinia
In Kind	
Adobe	
Amazon Web Services	
Asana	
Atlassian Foundation International Limited	



“

I have learned more about teaching this week than I have in the past 18 years! I will incorporate these methods into all my classes.

ROBIN W.
CS Principles teacher

Grammarly	
Hadi and Negar Partovi	
PagerDuty	
PluralSight	
Salesforce	
Sauce Labs	
Companies participating in employee giving	
Abbott Laboratories	Intel
Achievers	Liberty Mutual
Adobe	Microsoft
ADP	Momentive
Apple	N1234
AT&T	Nextera Energy
Atlassian Foundation International Limited	NVIDIA
AXIS	Okta
Bain Capital	Publicis Sapien
Ball Aerospace & Technologies	Raytheon

Cisco	Riot Games
CrowdStrike	Salesforce
DocuSign	ServiceNow
Dropbox	T-Mobile
Equinor	Teradyne
F5	USAA
Gilead	VISA
Github	Workiva
Google	Zynga



“

The class I was teaching had students from many different countries — they spoke seven different languages! They were all working on Hour of Code, but they were all completing it in their own language. Those students were so happy to work at the same level as their peers.

CS TEACHER

New York