



2019-2020 Annual Report



This year CodeDay provided fun, creativity, and hope to students.

We started the school year with lots of exciting news: laptops for low-income students (to keep!), free rides to/from events, CodeCup in more schools, and even our first Africa events!

Then COVID-19 changed everything. Weeks after the pandemic started, we hosted our first virtual CodeDay and in a newly virtual educational environment, it turned out to be more popular and more effective than ever.

And with more schools running CodeCup (presented by Splunk) and CodeDay Labs providing internship-like opportunities to replace those canceled, 2020 was the highest impact year ever.

This was only possible because of our supporters. Thank you.

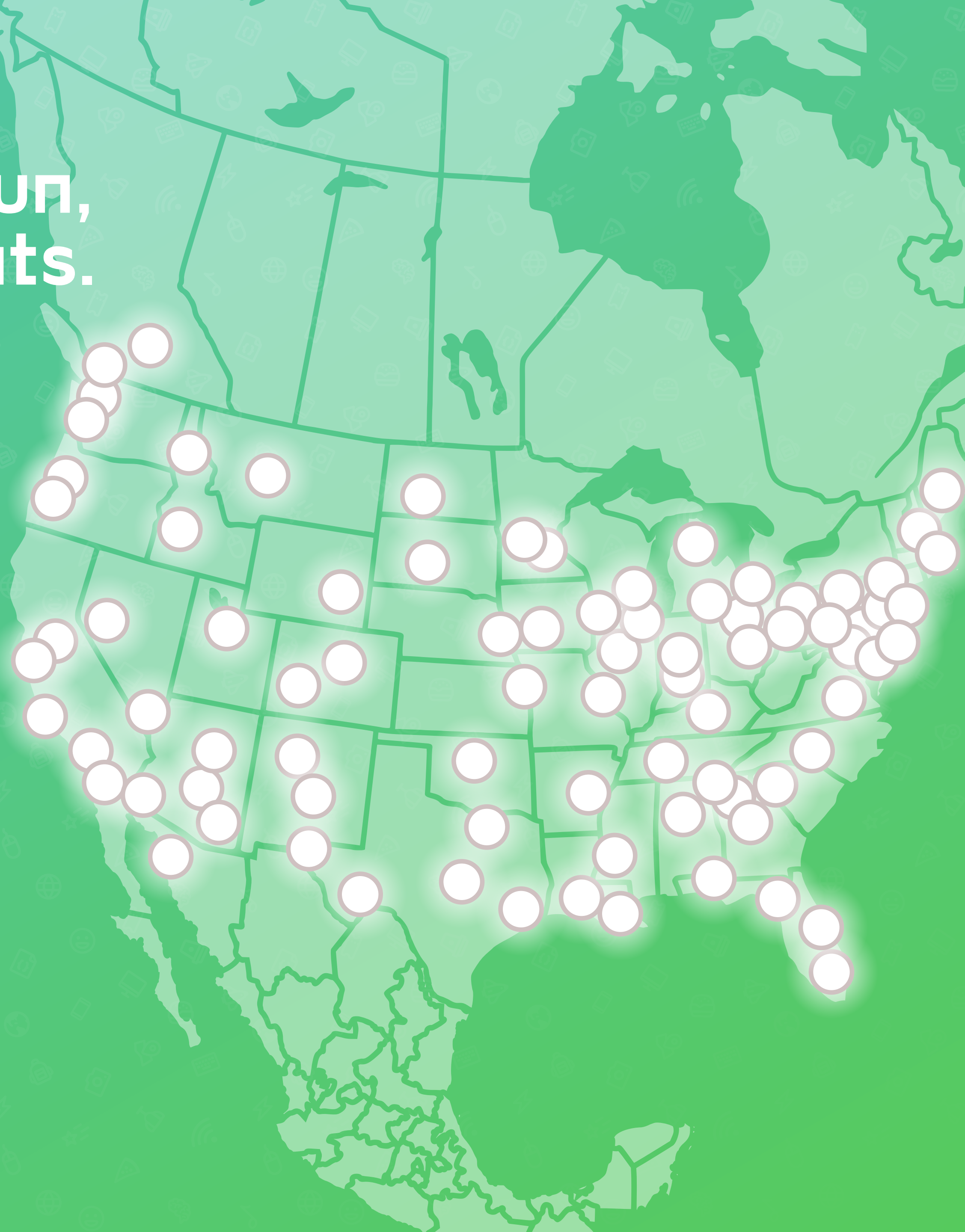
 Tyler Menezes, Executive Director

12,962
students

91
cities worldwide

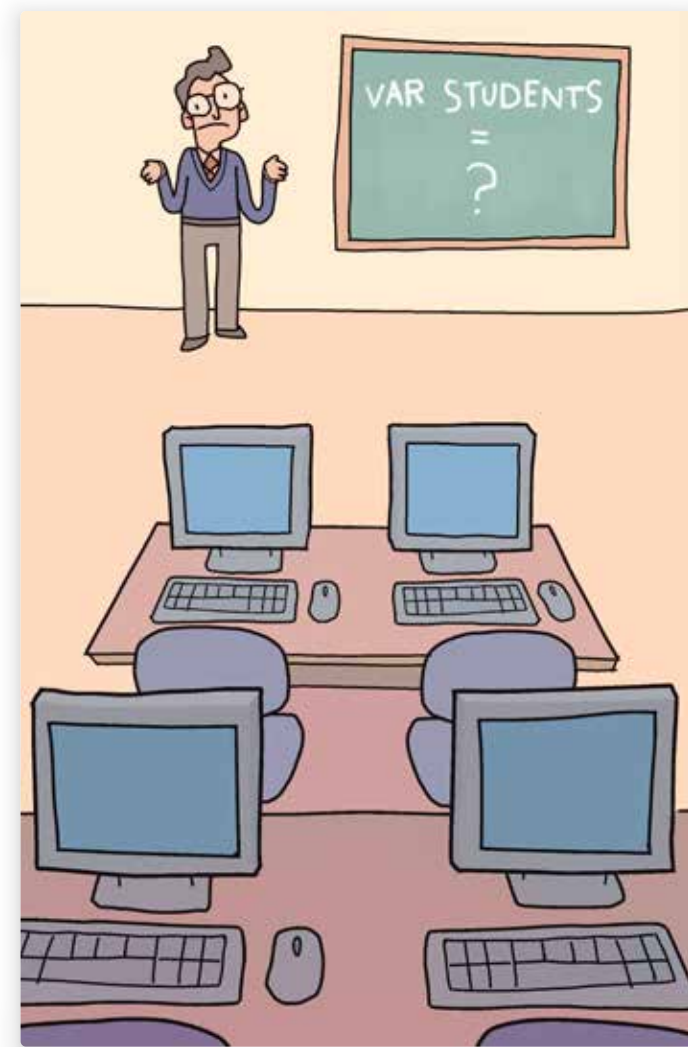
69%
underrepresented

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There's a place in tech for everyone.

CodeDay is a non-profit providing welcoming and diverse opportunities for under-served students to explore a future in tech and beyond. Here's how our programs work:



1. Most students don't want to learn to code, especially those from under-represented backgrounds and under-served groups.



2. Our creative and fun programs attract these students, and gradually convince them to fall in love with coding.



3. Students leave CodeDay events and continue working on projects, enroll in classes, and join clubs.

75% of our registrants say they don't want to learn to code before attending.

- 42% are women
- 38% are low-income
- 32% are Black, Latinx, or Native American

70% of these "uninterested" students are still coding 10 weeks after attending.



CodeDay Kenya



CodeDay DC



CodeDay NYC



CodeDay VA
Team Hype Beast
“A monster shooting web game.”



CodeDay LA
Nitsa & Lucia
“An app that helps with texting skills.”

CodeVA trains lots of teachers to teach computer science, but CodeDay is our favorite reminder that kids learn best when they are challenged as partners in their learning experiences.

 **Chris Dovi**
Executive Director, CodeVA

Great event - super inspiring for my daughter. She's now into coding, which was the goal.

 **Liz Foreman**
Parent of CodeDay Dayton Student

In-Person CodeDay: More Students, More Support.

In the 2019-2020 school year, we launched new partnerships to reach more students, and help all low-income students start coding and keep coding:

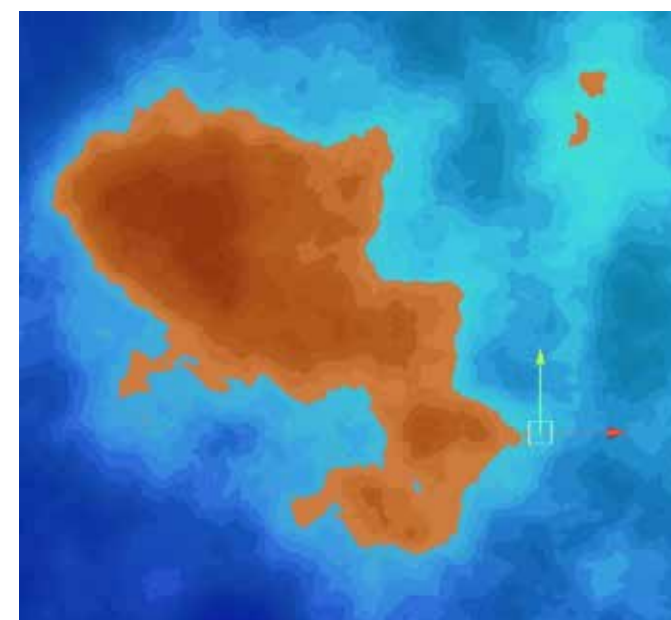
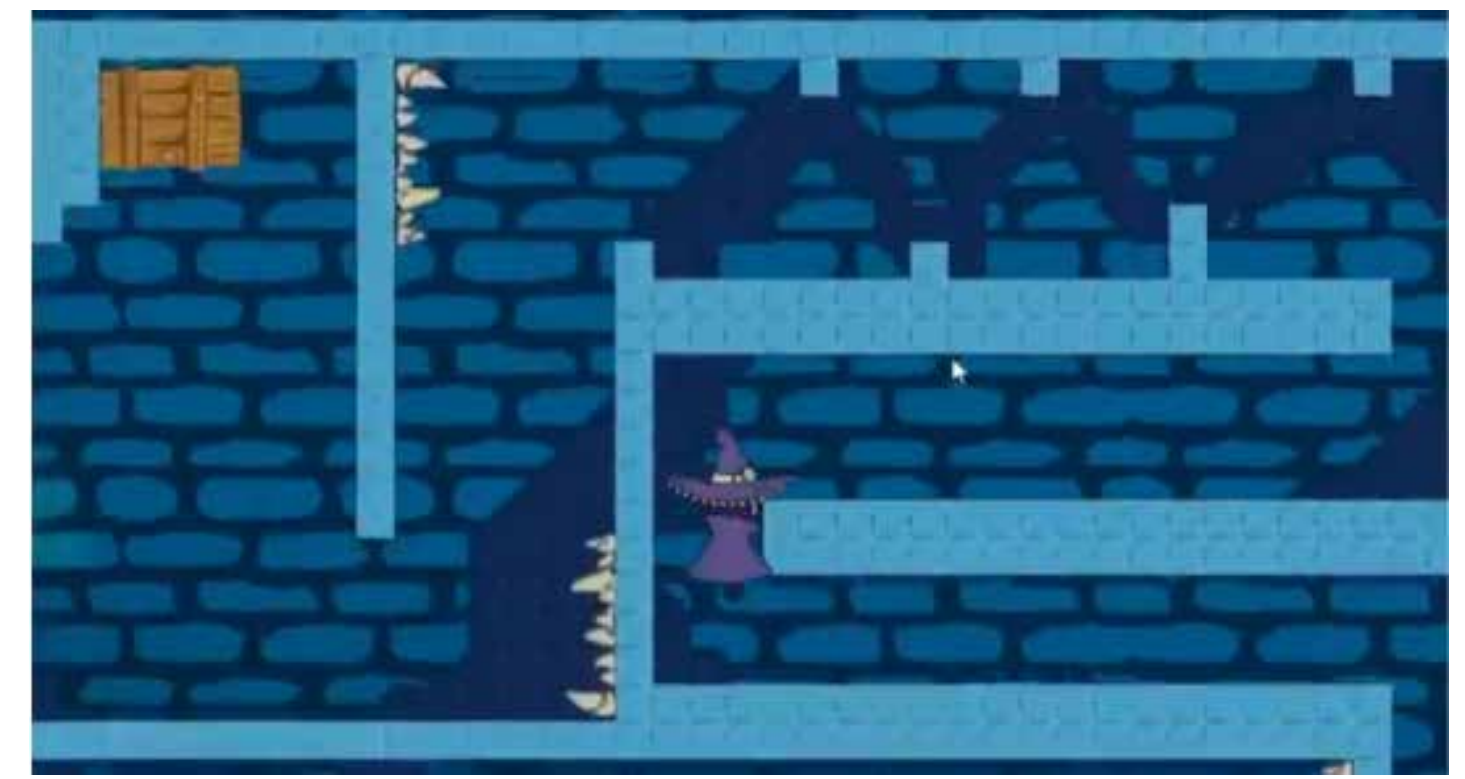
- EMEA expansion started with CodeDay Kenya in November 2019, resources in place for more.
- Launched free rides for low-income students in partnership with Uber.
- Distributed hundreds of refurbished laptops to low-income attendees with no home computer, to keep coding.

Virtual CodeDay: Quick Iteration to Prove a New Model

Just weeks after the pandemic started, we launched Virtual CodeDay, an entirely online CodeDay-like experience. With just a day of notice, more than 1,000 students signed up from around the world.

We ran two more over the summer, experimenting with the format to create a program with the same high diversity and outcomes as in-person CodeDays.

The next Virtual CodeDay is scheduled for December 2020, we are expecting over 5,000 students to participate from around the world.



What students worked on:

Visualizing LiDAR from self-driving cars

Omar Shehata, Cesium

Contract-tracing app for Android

Paul Nabende, MasterCard

Personal actions and habits telemetry

Scott Matloff, Microsoft

TensorFlow resume analysis

Sneha Singh, Sony

COVID-19 time series analysis

Thien Oo, UPMC

Civic engagement app in React

Meredith Lampe, Facebook

Slack app to integrate APIs

Nikhil Mungel, Splunk

Instrumentation for LatAm CS class tool

Carlos Cordova

Add movie renders to hubble.gl

Chris Gervang, Uber

Open-source student life management

Grace Wu, Capital One

REST API ingestion to database

Yang Xu, LexisNexis Risk

Website for booking dog walkers

Rama Dasu Puli, SAP

...and 100 more!

The kids were just great: bright, enthusiastic, very serious about the work. I was a little worried that some of them might feel roped into the program somehow, but no, all of them treated it as an opportunity.



Michael Lorton

Mentor; Engineer at Outschool

I really enjoyed learning how to use new technology such as Angular, Node, Sequelize, and Joi. Working with my teammates and interacting with each other was one of my favorite parts of this internship.



Alain Nshimirimana

Student at Cascadia College

CodeDay Labs: A Real Internship Experience

Even in a good year, Internships aren't equal: most go to students from big-name CS schools, a population which is overwhelmingly young, white, male, and upper-middle-class. When 50% of internships were canceled because of COVID-19, the odds got much worse for students from small local colleges.

With the support of hundreds of mentors from leading tech companies, we offered 300 of these students internships working on open source software in July.

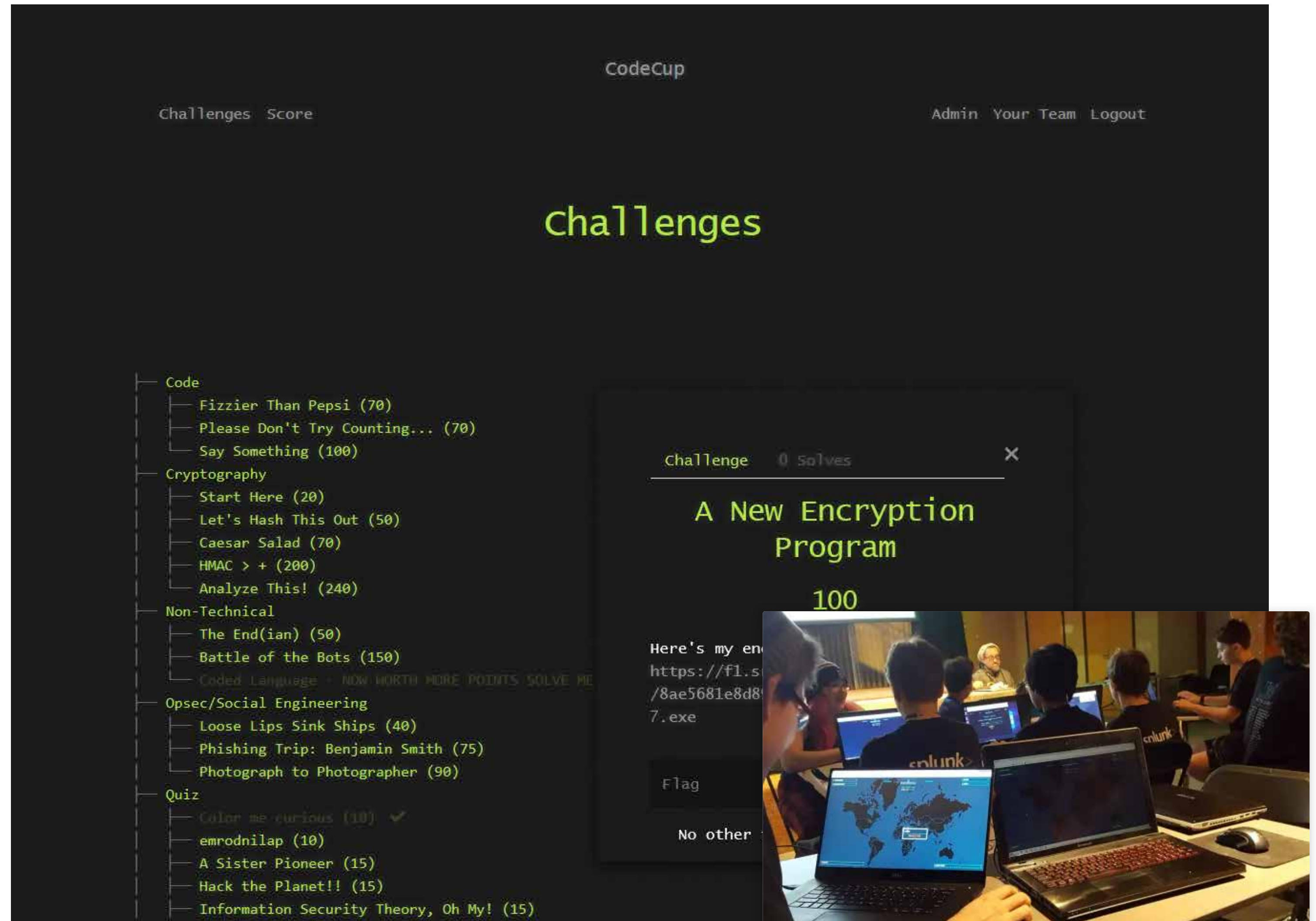
CodeCup: From CodeDay to Schools Worldwide

Presented in partnership with:



CodeCup, the team-vs-team challenge where students use tools like Splunk to detect simulated attacks and solve cybersecurity challenges, has long been the most popular activity at CodeDay.

We'd planned to expand into classrooms this year, but virtual learning ramped up teacher interest. By the end of the school year, 2,300 students had competed in-class, for a total of 8,000+ participants this year.





Thank you to the donors and volunteers who made this year possible.



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Edward Jiang and Chris Gervang from Uber for coordinating volunteers and promotion.

Kevin Walseth and David Sandys from DigiKey for their assistance in creating the electronics program at CodeDay.

The CodeDay Team

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Kemba Konteh, Intern in Software Engineering
Lola Egberman, Program Manager (Virtual CodeDay)
Mingjie Jiang, Co-Program Manager (Labs)
Tyler Menezes, Executive Director





Program Stats (September 2019 - August 2020)

Program	Total	Low/No Interest	Continued Coding	Women	BIPOC	Low-Income
CodeDay	5,599	74%	72%	42%	32%	39%
Virtual CodeDay	4,222	70%	65%	39%	30%	25%
CodeDay Labs	800	*	*	65%	34%	23%
CodeCup	8,331	*	*	*	*	*
Big Data Challenge	1,708	*	*	*	*	*
Total	12,962	72%	70%	42%	31%	32%