My dream is to find a cure for cancer.

Joseph
[4th Grade]
Dear Friends,

Thanks to your support, 2019 was an extremely successful year! Last year, the Silicon Valley Education Foundation served over 5200 students and 500 teachers through STEM programs, professional development, and college access support. Together, we are positioning students for college and career success by connecting them with the skills they need and the resources of Silicon Valley. Thank you!

In the coming pages, you will see the quantified measures of this collective work. Here are just a few of last year’s milestones:

- Through our Catalyst to College program, 100 high school students graduated and became the first in their families to enroll in college.

- We expanded Elevate [Math] to serve 4000 students in grades 3-10. We have not rested on our laurels after WestEd found Elevate [Math] to be two times more effective than similar intervention programs; last year we received a Gates Foundation grant funding a WestEd two-year impact study of our middle school program.

- We successfully piloted our Computer Science Institute (CSI). Based on the new CA computer science standards, CSI taught 150 middle school students computational thinking, patterns, cybersecurity, ethics, and coding. Next summer we will almost triple the number of classes and serve over 500 budding computer scientists in grades 7-10.

- Our East Side Alliance collective impact initiative was recognized by the Santa Clara County School Boards Association as a 2019 Hoffman Exemplary Program and the 2019 Kristie Porter Outstanding Program.

- And our 49ers STEM Leadership Institute, which is made possible by our partnership with the 49ers Foundation, was named a Golden Bell Outstanding Program winner by the California School Boards Association.

It is only through our partnership with you that we can continue our legacy of ensuring access to college and opportunity for all students. Your contributions of time, resources, and passion over the years have empowered us to positively impact over 21,000 students, 1200 teachers, and 62 school districts. To date, with your help, our events have raised over $14 million to better prepare Silicon Valley students for college and 21st-century STEM careers.

We look forward to building on these successes in the coming year and invite you to join us as we realize our vision of every student becoming a productive and successful adult.

Sincerely,

Lisa Andrew, Ed.D  
Chief Executive Officer, SVEF

Dave House  
Chairman of the Board, SVEF
Elevate [Math]

Studies show that math success is a critical gatekeeper to college and career readiness. Unfortunately, in Silicon Valley 46% of 8th grade students are not proficient in math. In partnership with 33 school districts, SVEF’s Elevate [Math] programs are addressing this challenge in Silicon Valley and beyond.

Elevate [Math] is a summer intervention program for third-through tenth-graders designed to increase the number of students meeting Common Core math standards. Elevate [Math] is a rigorous math program that also incorporates growth mindset activities, college awareness lessons, mentorship by college students, and hands-on STEM Career Inspiration Workshops presented by local industry experts. By providing programs focused on building math skills and student confidence, SVEF helps prepare more students for success in college and career.

During the summer of 2019, Elevate [Math] served 4,000 students. To date, over 31,000 students at risk of falling off the path to college and career success have participated in Elevate [Math].

My proudest moment during the program was that I got so much better at math than before. I was so happy. How I feel about math has completely changed now. Thank you, Elevate!

Sophia [7th Grade]

The study found that:

- Students participating in Elevate [Math] were more than twice as likely to be algebra-ready than those who did not participate in the program.
- Elevate [Math] was shown to be two times more effective than similar summer intervention programs.

WestEd, the regional laboratory for the U.S. Department of Education, conducted a randomized controlled trial of Elevate [Math].
Elevate [Math] Plus

Elevate [Math] Plus is a year-round enrichment program for current 3rd-5th and 8th graders. Students are invited to apply by their teacher and receive up to 50 hours of additional math instruction at their school. Elevate [Math] Plus provides a curriculum created specifically for this program reinforcing skills taught in students’ Common Core math class.

2015 2016 2017 2018 2019

students served 1160 44 86 134 179 4000

classes held 2300 3000 3200 186

Since 2008, the Elevate [Math] Program has ...

- impacted 31,000 students
- trained 1,500 teachers
- served 65 districts

Bright Spots Grant

In 2019, SVEF was awarded the Bright Spots in Middle Years Math Grant by the Bill & Melinda Gates Foundation. With this opportunity, SVEF will partner with WestEd to validate the longer-term impact from three consecutive summers of intervention as well as quantify the impact specifically on Latino and low-income students. Through this validation study, Elevate [Math] will develop a more durable model of student support and strongly encourage multiple year participation for students.

Bill & Melinda Gates foundation

90% of all students in an SVEF summer math program feel more motivated to go to college

90% of all students in an SVEF summer math program feel more confident in math

On average, 8th grade Algebra students showed 72% growth in Common Core Algebra proficiency

On average, students at each grade level showed at least 50% growth in Common Core math proficiency
The 49ers STEM Leadership Institute (SLI) was created through a partnership between SVEF, Santa Clara Unified School District, and the San Francisco 49ers with support from Chevron. Students are selected for the six-year program through an intensive application process and receive an additional 300+ hours per year of after-school learning time. In 2020, SLI will graduate its first senior class.

During the school day, 49ers SLI students attend program-specific enhanced math and science courses that incorporate design thinking and project-based, experiential learning with real-world context. Learning takes place in two digital fabrication labs equipped with 3D printers, laser cutters, tablets, ShopBots, robotics kits, and other cutting-edge technologies.

By cultivating student mastery in STEM subjects, the nine Core Values, and key skill areas, the 49ers STEM Leadership Institute prepares students for college and empowers them to become well-rounded leaders of the future.

Surveys indicate that students demonstrate stronger core values as they progress through the program.

321 Students Received 70+ awards in 2019

2019 California School Boards Association Golden Bell Winner

Core Values: Collaborative Spirit, Communication, Creativity, Curiosity, Determination, Risk Taking, Leadership, Passion, & Initiative

Advance Placement scores of Juniors:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Passed</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP Calculus</td>
<td>83%</td>
</tr>
<tr>
<td>AP Science</td>
<td>76%</td>
</tr>
<tr>
<td>AP Seminar</td>
<td>92%</td>
</tr>
</tbody>
</table>

Students Received 70+ awards in 2019
Computer Science Institute [CSI]

Since 2010, the information and communication technology job sector has grown by 36%, and over the next decade, these jobs will grow at twice the rate of all other occupations. To address the need for high-skilled workers in Silicon Valley, in 2019 SVEF piloted the Computer Science Institute (CSI) summer program for 7th and 8th grade students. Based on the California Computer Science Standards, CSI provides a multidisciplinary approach to computational and design thinking. The 19-day program includes content on algorithms, coordinates, coding, cybersecurity, a maker project, and other fundamental elements of computer science.

"This class is a reminder of what is possible when things are approached differently."

CSI Teacher

Change the Future Grants

Through a strong partnership with Wells Fargo, SVEF awarded grants to Santa Clara County schools to start or continue computer science programs, purchase equipment or software, and/or fund professional development for teachers. As a culminating event, grantees participated in a Hackathon Showcase sponsored by PwC, where student teams pitched an app they developed to solve a community problem to a panel of judges from the education and technology sectors.

153 students in 5 school districts

"The students were really excited about what they’d learned to create, and the exposure to Computer Science at this age can inspire them to consider a promising career path."

CSI Donor

EdTech Research

Edtech is proliferating, but its impact is poorly understood. In partnership with WestEd and through the support of the Bill & Melinda Gates Foundation, SVEF published two case studies examining how Kahn Academy and iReady are being used in classrooms and the impact they have on student learning and achievement.

Seven $10,000 grants awarded to local schools.

Code.org

In 2019 SVEF continued to serve as the Regional Lead of Code.org and provided 63 hours of teacher professional development in computer science to our 2019 cohort of 29 teachers. In addition, 17 teachers were able to participate in the CS Fundamentals workshop. Over 100 teachers from 35 Bay Area school districts have participated in Computer Science Discoveries and Computer Science Principles training with SVEF.

"This class is a reminder of what is possible when things are approached differently."

CSI Teacher

"The students were really excited about what they’d learned to create, and the exposure to Computer Science at this age can inspire them to consider a promising career path."

CSI Donor

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Seven $10,000 grants awarded to local schools.

Code.org
College Readiness

SVEF’s legacy of strong partnerships with school districts has led to an increase in the number of students who have the option to go to college. Together with local educational nonprofits, institutions of higher learning, municipalities, and all school district stakeholders, we have worked to accelerate pathways and eliminate barriers that may prevent students from achieving their full potential.

Catalyst to College

Catalyst to College is a three-and-a-half year intensive leadership and college coaching program that prepares students to get into and succeed in college. The program serves 100 students from two high schools in East Side San Jose. 100% of Catalyst to College students applied for college in 2018, and 97% matriculated in 2019.

- **100%** Students graduated from high school in 2019
- **99%** Catalyst to College students are first-generation college students
- **97%** Students enrolled in college
- **91%** Catalyst to College students qualified for the free or reduced school lunch program
- **3%** Students entered the military

East Side Alliance

The East Side Alliance (ESA) is a collective impact initiative dedicated to ensuring success and creating a seamless K-16 pathway across districts in East San Jose. SVEF has impacted over 1000 East Side administrators and teachers through collaboration and professional development in mathematics instruction and assessment, data analysis, and vertical curriculum and resource alignment.

Through the East Side Alliance, SVEF offers:

- Academic preparation, through our championing of A-G default curriculum and the Spartan East Side Promise
- School support, through our professional development for teachers and administrators
- Financial support, through our partnership with Excite Credit Union to provide savings accounts to college-going seniors.

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**ESA Awards**

<table>
<thead>
<tr>
<th>Award</th>
<th>Recipient</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019 Kristi Porter Award</td>
<td>Exemplary Program</td>
</tr>
<tr>
<td>2019 Glenn W. Hoffmann Exemplary Program Award</td>
<td>Certificate of Recognition from California</td>
</tr>
<tr>
<td></td>
<td>Senator Jim Beall</td>
</tr>
<tr>
<td></td>
<td>Certificate of Recognition from Assemblymember</td>
</tr>
<tr>
<td></td>
<td>Ash Kalra</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th><strong>East Side Alliance</strong></th>
<th><strong>Catalyst to College</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Students</strong></td>
<td><strong>73,000</strong></td>
</tr>
<tr>
<td><strong>Schools</strong></td>
<td><strong>103</strong></td>
</tr>
<tr>
<td><strong>School Districts</strong></td>
<td><strong>8</strong></td>
</tr>
<tr>
<td><strong>Students graduated from high school in 2019</strong></td>
<td><strong>100%</strong></td>
</tr>
<tr>
<td><strong>Catalyst to College students are first-generation college students</strong></td>
<td><strong>99%</strong></td>
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</tr>
<tr>
<td><strong>Students entered the military</strong></td>
<td><strong>3%</strong></td>
</tr>
</tbody>
</table>
College Day

College Day is a community-driven, county-wide celebration led by SVEF that shows students from diverse backgrounds that going to college is possible. Over 100,000 students from more than 150 schools and community-based organizations throughout Santa Clara County participated in College Day 2019. SVEF coordinated inspirational volunteer speakers to share their college and career journeys and created college readiness lesson plans and college activities for K-12 students.

Spartan East Side Promise

In 2017, SVEF facilitated a collaboration between San Jose State University and the East Side Union High School District: the Spartan East Side Promise. This agreement offers guaranteed admission to qualified students from schools in the East Side Union High School District.

[ALAS]

Achieving Latino Academic Success

ALAS is a biennial conference where Latinx students and families gain knowledge and support to become college graduates. Students and their families attended workshops in both English and Spanish at San Jose State on how to navigate the path to college.
**Silicon Valley Wine Auction (SVWA)**

In May, SVEF and the Santa Cruz Mountains Winegrowers Association hosted the 4th annual SVWA at Eden Estates in Saratoga, CA. The event raised over $1 million to benefit four local education programs, one of those being SVEF. The event brought together over 1,000 guests, 50 wineries, and 150 ultra-premium wines through a wine pairing dinner, live auction, and grand tasting.

**Dream Makers Dinner**

*Inspiring Dreams, Changing Lives*

In October, SVEF hosted the annual Dream Makers Dinner, gathering together over 300 notable business, technology, community and education leaders. The event raised over $850,000 for SVEF’s programs, bringing the total raised to over $14 million since 2005.

Our 2019 dinner honored **Dr. José Moreno Hernández**, former astronaut and engineer, who became the first Hispanic-American to travel to space. Dr. Hernández served as a Mission Specialist on the Space Shuttle Discovery’s August 2009 mission to the International Space Station.

SVEF honored two Elevate [Math] students with Achievement Awards at the dinner: third-grader Hugo-Hilario De La Cruz and eighth-grader Edwyn Mendoza. Michelle Sanfilippo, a sixth-grade math and science teacher at Bullis Charter School, was named Teacher of the Year. Alexander Taves, who recently graduated from San Jose State University, was named College Mentor of the Year.

**Silicon Valley Half Marathon**

SVEF is the Official Benefiting Partner for the Silicon Valley Half Marathon, which includes a Half Marathon, 10K, Food Truck 5K and Kids Run race. More than 5,000 runners took part in this event, which raised more than $10,000 for SVEF’s science, technology, engineering and math (STEM) programs.
At SVEF, we believe it is essential to deliver educational services to our local schools while maintaining a strong financial position. We strive to increase our investment in programs, outreach, and human resources. We are committed to public education and preparing students for college and career success.

SVEF 2019 Financial Report


EXPENDITURES IN FY 2019 TOTALED $7,026,740.

FY 2019 Sources of Funds

- FOUNDATIONS $1,601,638
- OTHER 444,773
- CORPORATIONS 2,442,583
- INDIVIDUALS 852,438
- LOCAL GOVT. 1,776,137

TOTAL $7,117,569

FY 2019 Uses of Funds

- PROGRAMS $601,196
- FUNDRAISING 687,484
- MANAGEMENT & GENERAL 327,292

TOTAL $7,026,740


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Highfive
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LAM Research
Lea(R)In
Learning by Giving
Lockheed Martin
MBARI
Metro Ed
Micron
Mouse Squad
New Teacher Center
NVIDIA
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Silicon Valley Education Foundation
Attention: Development
1400 Parkmoor Avenue, Suite 200
San Jose, CA 95126

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Help us champion STEM! Whether it’s your time, knowledge, expertise, or passion, Silicon Valley Education Foundation welcomes your support to enhance our programs. Visit our Elevate [Math] classrooms and inspire underserved students by sharing your college and career journey and facilitating a hands-on STEM activity. Or bring a SVEF volunteer project to your company and pre-assemble robot kits for students to build.

Email volunteer@svefoundation.org to volunteer.

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For more information, contact development@svefoundation.org.

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