

WHY SHOULD WE CARE?

- STEM-CS jobs are growing at 1.7 times the rate of non-STEM jobs.
- Women hold a disproportionately low share of the STEM undergraduate degrees.
- Women make up almost half of the workforce, yet hold less than 25% of the millions of high-wage STEM-CS positions.
- Research shows that girls are interested in STEM-related studies in grade school but begin to lose interest in middle school.

The current gender gap promises continued inequity in women's career opportunities and wages, and poses a threat to future technological progress and innovation.

At Caroline's Project, we're helping to close that gap by opening doors of opportunity for young women.



"Research shows that although girls show interest in STEM studies when they're in grade school, they start to lose interest by middle school. If we're going to gear girls up for the fast-growing STEM field in which they are underrepresented, we need to give them the chance to explore the interesting side of STEM studies in middle school and high school. I saw this need as an opportunity to help and to apply my own business and leadership skills, so my dad and I worked together to launch Caroline's Project."

~ **Caroline Houghton**

Jr. at Shady Side Academy and
founding partner of Caroline's Project

Caroline's Project: Young Women to Leaders

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carolinesproject.org



CAROLINE'S PROJECT

- young women to leaders -



Visit carolinesproject.org for scholarship
guidelines and application form.

OPENING DOORS

Caroline's Project: Young Women to Leaders is a 501(c)(3) non-profit organization helping to prepare high potential young women for success at the highest level in STEM fields and in the leadership roles that await them.

Early education and encouragement are key to this success, so we provide scholarships for young women in grades 8-12 to attend summer STEM enrichment programs where they can explore their interests, discover exciting career possibilities, and network with like-minded students who will be tomorrow's leaders.

In the bigger picture, we will also provide young women with unique, experiential leadership opportunities currently in development.



HOW TO APPLY

Caroline's Project currently offers scholarships for the Leap@CMU summer STEM enrichment program. To apply, visit carolinesproject.org and review the guidelines and application form.

- No previous STEM-CS experience or knowledge is necessary to apply.
- Scholarships are for relevant and approved STEM-CS summer programs during 8th grade through 12th grade.
- Scholarships are need blind and based on leadership, course work, academic record, extracurricular activities and community service.

IGNITING POTENTIAL

The importance of encouraging and maintaining girls' interest and engagement in STEM studies and leadership during middle school and high school is well-documented. Exposure to quality summer enrichment programs — such as Leap@CMU — early in a young woman's academic journey can help ignite her interest and fuel her future success in STEM-related fields.

HOW TO DONATE

Your support will help high potential young women access bright futures in a fast-growing field that needs their brilliance and contributions!

To make a general donation by mail, please send your check made payable to:

Caroline's Project: Young Women to Leaders

P.O. Box 541

Wexford, PA 15090

To discuss corporate sponsorship opportunities, please contact:

724.300.3959 or info@carolinesproject.org



~ **Nancy Hua**
founder/CEO
of Aptimize

It wasn't easy being a nerd in Pittsburgh and Leap showed me who and what else was out there. More than a dozen years later, I still have dinner with my friends from Leap. I work with a fellow Leap classmate at my tech startup, and Leap alumni are my friends and investors. At Leap, I learned about the concepts that I ended up majoring in at MIT- diagonalization, Cantor infinity, complexity theory. I loved Leap and it changed my life for the nerdier and the happier!"

ABOUT LEAP @CMU 2016

Formerly known as Andrew's Leap, Leap@CMU is a summer enrichment program run by the School of Computer Science at Carnegie Mellon University since 1991.

Leap@CMU is a seven-week summer course designed to expose high school students to some of the basic aspects of computer science and how it connects to our everyday life. The program offers robotics, programming and mathematical theory tracks.

Through special classes and guest faculty seminars, students are exposed to the frontiers of computer science. They jump ahead approximately ten years in their experience of the science.

Students have an opportunity to interact with some of the country's leading scientists, emerging from the program with a comprehensive understanding of the breadth of Computer Science at Carnegie Mellon.

The 2016 Leap@CMU program runs weekdays June 20 through August 5 from 10 a.m. - 5 p.m.