

CODE CAMP 2015

SATURDAY, FEBRUARY 28, 2015
THE UNIVERSITY OF CHICAGO

CONTACT

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WHO WE ARE



Sarah Li '15 is majoring in Economics. Over the summer, she worked for Girls Who Code at Square's office in San Francisco, and she originally hails from the Bay Area. Outside of FEMMES, she's Marketing Chair of the Council on University Programming and teaches art history, design, and computer science for Splash! Chicago. She also dabbles in design, user experience, data analysis, and web development. She tweets @serifluous.



Originally from Miami, **Megan Renshaw '16** is a computer science and math double major. She currently serves as the President of FEMMES and as a Board Member and tutor for the Chicago Adolescent Mentorship Program (CHAMP). In the summer of 2014, she worked as a teacher for Girls Who Code, an organization whose mission is gender parity in computing. As part of FEMMES, she is excited to continue Girls Who Code's mission and bring computer science to the lives of girls in the Chicago area.



Alice Chang '16 is the VP of FEMMES, currently majoring in Computer Science and Economics at UChicago. This summer, she was a software engineering intern at Google Zurich, where she had the opportunity to actively engage with Women@Google and Google Women in Engineering (GWE). Outside of FEMMES, Alice is also the co-president of EnvisionDo, an on-campus entrepreneurship group that is currently planning a technology business conference for the spring. In her spare time, Alice enjoys horseback riding and visiting downtown Chicago – especially in the winter!



Emilee Urbanek '16, originally from New Jersey, is a Computer Science major and a Computational Neuroscience minor. She is passionate about sciences and music and pursues these interests both inside and outside of the classroom. She currently serves as the FEMMES Curriculum director and hopes to inspire girls in the Chicago area to get excited about computer science just as her parents and teachers have inspired her. When she can, she also enjoys snowboarding and woodworking.



Originally from Montreal, **Morgane Richer La Flèche '15** is a History major enamored with the Slavic Languages and Literatures department. Outside of the classroom, she serves as the Marketing Director for FEMMES and as the President of MODA. In 2013, she represented Canada at the Girls20 in Moscow, where she advocated for greater recognition and support of women in STEM fields, especially technology. She has worked with the non-profit Kids Code Jeunesse, whose mission is to provide every child in Canada the opportunity to learn to code in school, for free.

THE PROBLEM

While women make up the majority of bachelor's degrees in the United States, only **12% of computer science degrees are earned by women**. By 2020, the U.S. Department of Labor predicts that there will be 1.4 million job openings for computer specialists, but only enough graduates to fill **29% of these openings**.

OUR MISSION

FEMMES (Females Excelling More in Math, Engineering, and Science) at the University of Chicago is a brand new chapter of FEMMES seeking to engage middle school girls in hands-on activities in the field of computer science in an effort to close the gender gap in technology. We hope that by providing middle school girls with the opportunity to explore their interests in technology, giving them real world technological skills to build upon, and sharing the joy that computer science can bring, they will be inspired to continue their studies in computer science and help end gender disparity in this growing field.

WHY WE CARE

Computer science is one of the only professions to have seen **decreased representation by women** over the past 30 years. Since the 1980s, female representation in computer science has dropped from approximately 35% to only 12% today.

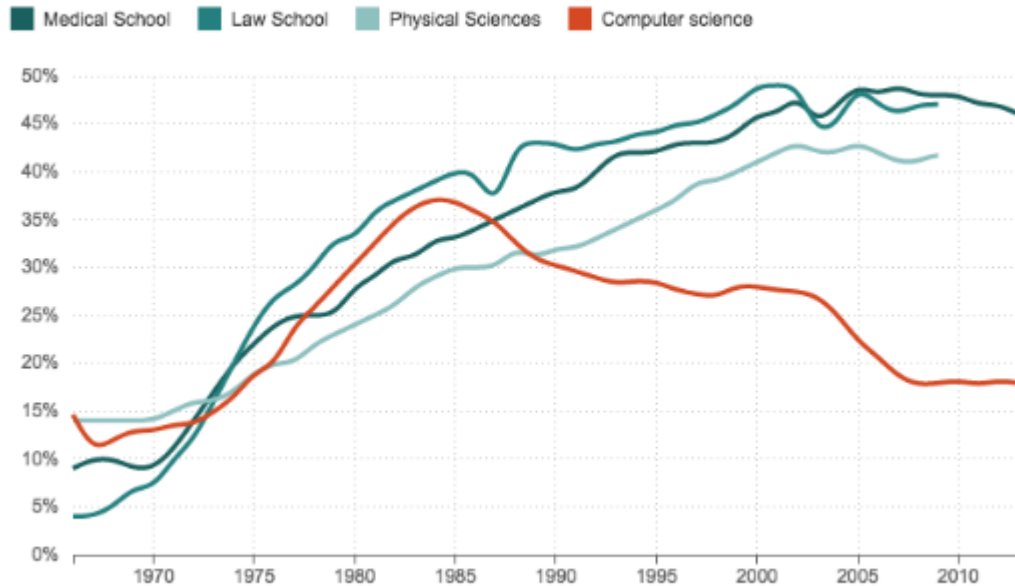
We believe that restrictive gender stereotypes—not a lack of interest in STEM careers—are behind the underrepresentation of women in STEM. In elementary school, girls and boys report equal interest in STEM. By middle school, however, the percentage of girls interested in STEM has shrunk.

Diversity in computer science benefits everyone. By encouraging girls to see past stereotypes and pursue their interests in technology, we are empowering these young women and our community at large.

WHY IT MATTERS

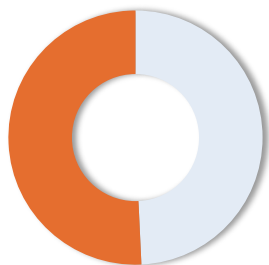
What Happened To Women In Computer Science?

% Of Women Majors, By Field



Source: National Science Foundation, American Bar Association, American Association of Medical Colleges
Credit: Quoc Trung Bui/NPR

Elementary School: Percent of Boys and Girls who Express Interest in STEM



Eighth Grade: Percent of Boys and Girls who Express Interest in STEM

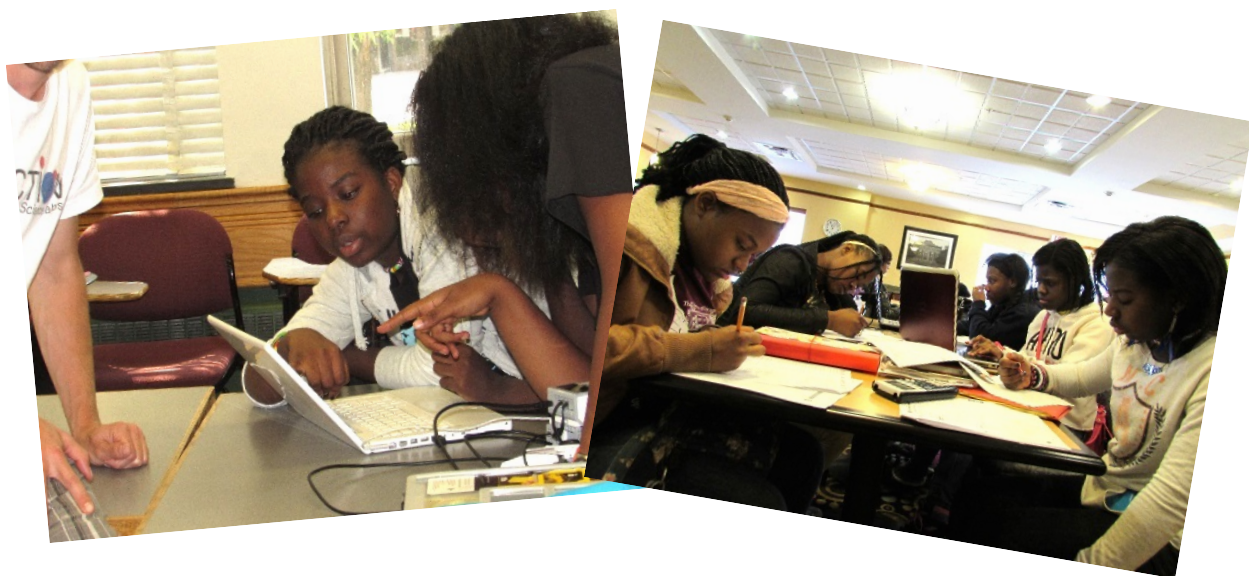


*Source: National Science Foundation and National Public Radio.

STARTING OUT: UCHICAGO FEMMES CODE CAMP

Our Capstone Event, the UChicago FEMMES Code Camp, is a day-long annual event that will kick off this spring on February 28, 2015. The Code Camp aims to introduce girls from neighboring Chicago middle schools to computer science in a fun and interactive way.

The event will take place at the University of Chicago, and will feature a keynote speaker and hands-on activities in computer science led by U of C professors, graduate and undergraduate students, and special guests. The event will run all day from 10am-5pm. Lunch and snacks will be provided. Our goal is to have the girls go home excited to continue learning about computer science. We will provide students, parents, and teachers with materials to encourage continued engagement with computer science.



The UChicago FEMMES Code Camp is our kickoff event for our organization! In the following 2015-2016 school year FEMMES plan to welcome students back for regular programs and workshops held throughout the year.

CODE CAMP SCHEDULE

Morning Session

9:30	Welcome
10:10	Welcome Speech
10:20	Keynote Speech
10:35	Introduction to Scratch
11:10	Ice Breakers and Warm-up Activity
11:30	Activity 1
12:00	Activity 2

Afternoon Session

12:40	Lunch with Student Panel and Q&A
1:30	Activity 3
2:00	Activity 4
2:30	Snack Break
2:45	Video Presentation
3:00	Final Activity
4:10	Student Project Presentations
4:30	Closing Remarks, Raffle Drawing, and Swag Bag Distribution
5:00	Bus Departure

OUR CHALLENGES

Our bare-minimum budget of approximately \$5,250 for FEMMES Code Camp: This money goes towards everything from activity supplies to outreach supplies, Code Camp volunteer supplies, thumb drives, and shirts and tote-bags. The breakdown is as follows:

Minimum supplies

- Thumb Drives \$600
- Lunch \$1,400
- Snacks \$400
- Tote bags \$250
- Shirts \$750
- Clip boards \$500
- Activity supplies \$1,000
- Outreach supplies \$350

Desired supplies

- Laptops (50 – 150)
- Swag and Raffle items
- Puzzles and Classic Puzzle Games
- Educational Software

HOW YOU CAN HELP: EVENT SPONSORSHIP

Donations

Sponsor – Minimum of \$100

All sponsors are welcome to send representatives to attend our Code Camp event, where booth space will be provided.

Room Sponsor – \$1,000*

As a Room Sponsor, one or more of our classrooms will be completely dedicated to your company/organization with as much decoration/swag as you like!

Floor Sponsor – \$2,500*

As a Floor Sponsor, you will get the exclusive opportunity to decorate an entire floor for our event with as much decoration and swag as you like! Limited to three companies.

Perks: All corporate sponsors will receive exposure through advertisement on our website and social media, as well as having their logo on our t-shirts and printed schedules!

In Kind Donations

Laptops

At the very least, we are looking to secure laptops for the day of event. This would be a one-day rental. We appreciate any amount of laptops you are able to provide. Future programs will need laptops though, so laptop donations are very highly valued.

USBS

We will be distributing digital “goodbye-bags” to the girls in the form of USBs. These will have materials for continuing their exploration in computer science as well as any projects they completed during the day.

Food

We are looking for breakfast and lunch donations for our Capstone Event. We will be feeding up to 200 girls and 40 volunteers.

Swag

We would love to shower our girls with swag to help get them excited about the tech world. Feel free to bring as much of your company gear as you have!

Raffle Items

We will be having a raffle at the end of the day, and are looking for cool items to raffle off.

HOW YOU CAN HELP: EVENT PARTICIPATION

If you would like to be a part of our event, but don't have the means to be an official sponsor, we would still love to have you on board! As an event participant, there are two main ways you can get involved in our event.

Attend our Capstone Event

Booth Space

If you have a company or organization that has educational or scholarship opportunities for middle school or high school girls we would love to have you advertise those opportunities at our event. We will be providing booth space to all interested companies.

Keynote Speaker

We are currently looking for one to two female speakers for our event. If you know someone in your organization who is passionate about boosting diversity in computer science and expanding computer science education, we would love to have her come talk to our girls!

Publicity and Media Coverage

We always love the support of other organizations seeking to expand diversity in computer science! As such, feel free to spread the word about our event and our organization.

THANK YOU & HOPE TO SEE YOU THERE!

