Women In Open Source & Computer Technology

Allison Fox - RITlug Secretary

Wait, you're a business major? Yep.

SHE DOESN'T EVEN ~~GO HERE~~ WRITE CODE

Ada Lovelace

- OG Computer Programmer
- Helped program Charles Babbage's "Difference Engine"
  - Tabulated polynomials
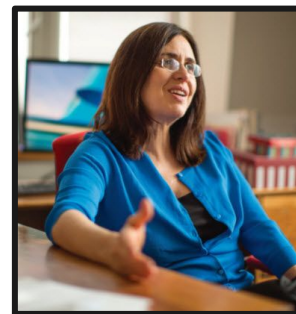
Put a Nobel Prize on it...

Frances Elizabeth "Fran" Allen

For pioneering contributions to the
theory and practice of optimizing
compiler techniques that laid the
foundation for modern optimizing
compilers and automatic parallel
execution.

Barbara Liskov

For contributions to practical and
theoretical foundations of programming
language and system design,
especially related to data abstraction,
fault tolerance, and distributed
computing.

Shafi Goldwasser

For transformative work that laid the
complexity-theoretic foundations for the
science of cryptography and in the process
pioneered new methods for efficient
verification of mathematical proofs in
complexity theory.

Speaking of awards! (2015-Present)

Avni Khatri & Jigyasa Grover

2017 Red Hat award winners

Avni Khatri - Community Award Winner

- Traveled the world for "Kids on Computers"
  - Outfitted computer labs with Linux computers and Open Source technologies
- Co-Founder of "For a Living"
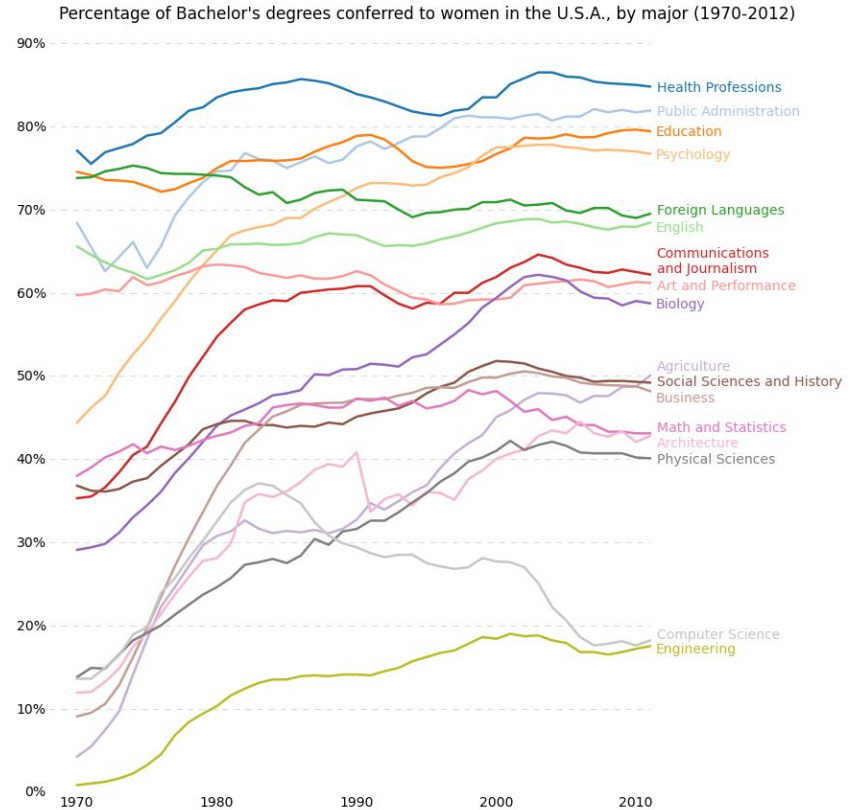 - Children can learn more about professions by interviewing professionals in those fields

Jigyasa Grover - Academic Award Winner

- Top contributor in Pharo 4.0
- Google Summer of Code 2015/16
- Awarded research opportunities from Canadian and French Institutes
- Director of "Women Who Code Delhi"
- And much more...

Concerning Statistics

- Only about 18% of CS degrees are being earned by women
- 11% of Open Source participants are women
- CS courses in high school have declined 35% since 2005
- The US only has enough CS graduates for about 30% of our jobs

Sources: National Center for Women and Infomation Technology & Redhat

Percentage of Bachelor's degrees conferred to women in the U.S.A., by major (1970-2012)

Data source: nces.ed.gov/programs/digest/2013menu_tables.asp
Author: Randy Olson (randalolson.com / @randal_olson)
Note: Some majors are missing because the historical data is not available for them

So how do we fix this???

Supply and Demand/Empower and Inform

Kode With Klossy

"The Try Guys Try Coding With Girls Who Code"

Special thanks to...

...and many others!