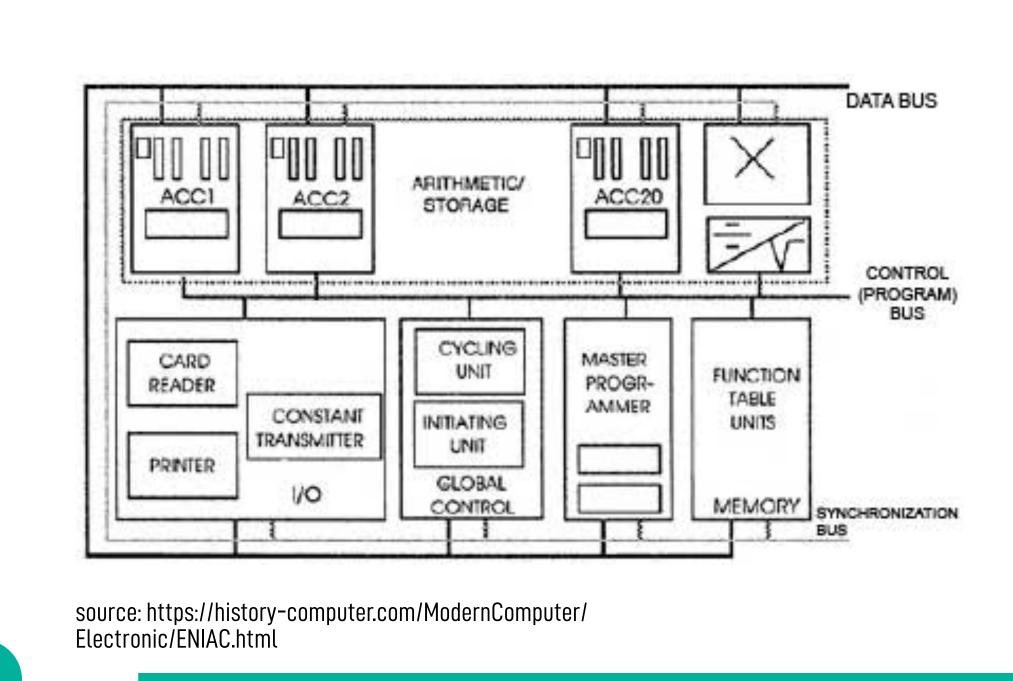
HOW MANY WOMEN PROGRAMMERS AND TECH VISIONARIES DO YOU KNOW FROM THIS TIME LINE?

1940's

Jean Bartik, Betty Holberton, Marlyn Wescoff, Kathleen McNulty, Ruth Teitelbaum and Frances Spence

- Main programmers for the ENIAC (Electronic Numerical integator and Computer) which was presented in 1946, and became the world first "stored program" computer by 1947.

- "developed innovaite tools for future software engineers and to teach others early programing techniques."



Mid 19_{TH} Century Ada Lovelace

-First computer programmer and studied mathematics.

-1843, Ada's piece of work on translated Luigi Federico Menabrea notes on the "Analytical Engine" that was developed by Charles Babbage, including her personal note, was published.

- This piece of work considered as "the world's first computer algorithm".



source: https://www.brainpickings.org/2015/06/15/the-thrilling-adventures-of-lovelace-and-

1950's Grace Hopper

- A navy veteran, associate professor with a Ph.D. in mathematics.

- "the first lady of software".

- Worked withthe Mark II and Mark III computers.

- Help popularized the term - "computer bug".

- Developed the world's first compilers and compiler base programming language at Eckert-Mauchly Computer Corporation.

- 1959, defined a new easy-to-use programming language, COBOI



source: https://ayogo.com/grace-hopper-by-kelsey-

1960's - 1970's Margaret Hamilton

- Mathematician

- Apollo Guidance Computer (AGC) project director of software engineering in the MIT Instrumentation Laboratory.

- Single-handedly wrote the code that helped NASA get Apollo 11 to the moon in 1969.

- developed the building blocks with her colleagues which now known as "software engineering".



source: https://www.twinkl.com/illustration/margaret-hamilton

Late 1990's - Present

Marissa Mayer



immediately worked for Google in 1999.

- Stanford graduated and

- Yahoo's President and CEO in

- Has an influenced on Google signature features - including Gmail and Google Maps.

- Left Yahoo in 2017 and renting her old Google Office, and founded Lumi Labs, tech studio with Enrique Muno Torres, locate in downtown Palo Alto.

1960's

Sister Mary Kenneth Keller

- A catholic nun, first woman to hold a PhD in C.S. in the U.S.

Help developed the computer language BASIC
 allows writing software easier resulting increase of computer accessibility later.

- Founded the C.S. Department at a college in lowa and directed for 20 years.

- "knew the potential for the future tech .. articificial intelligence and machine learning."



http://www.theasterisktoday.com/galleries/5-programming-superheroines/?from=reprogramming-womens-work-glorious-ladynerds-and-the-dudes-whosteal-their-jobs

1980's - 1990's Anita Borg



source: https://anitab.org/about-us/mission-and-history/

- A computer scientist, known for her contribution to gender diveresity in tech.
- 1987, founded Systers an online community with other women technologists.
- 1994, co-founded the Grace Hopper Celebratin (GHC).
- 1997, founded the Insititute for Women and Technology, renamed The Anita Bord Institute for Women and Technology in 2003

source: https://www.42.us.org/women-in-tech-the-past-present-and-future/https://www.digitaltrends.com/computing/5-women-of-color-pioneers-computing/