

Women Programmers in Space Exploration

A crowdsourced list from the Critical Code Studies Working Group 2018.

See more here: [CCSWG18 Week 1 discussion](#) led by Judy Malloy, Liz Losh, and Jacqueline Wernimont

Please include any information you can, including years they worked, what they did, sources.

Margaret Hamilton, our focus for the week, for her work on Apollo 11 and beyond.

Yvonne Brill whose "work on satellite propulsion systems may involve computers" (717).

Carol Browning, worked on Cassini.

Barby Canright

Pamela Donaldson - engineer

Susan Finley, involved in software dev for Mars Science Laboratory

Marylyn Goode - engineer

Evelyn Boyd Granville

Marie Huynh, worked on LIGO

Mary Jackson

Katherine Johnson

Janez Lawson

Linda Lee, created animation of JPL trajectory with Halley's comet. develops command and sequencing software

Helen Ling developed software for missions including the Infrared Astronomical Satellite, Magellan, Mars Observer and Topex/Poseidon.

Sylvia Lundy

Dianne Martin was a programmer at IBM and then Apollo. I know she worked on Apollo 8 and maybe 11 too. (Lori Brister Tweet)

Alla G. Masevich, created world's first satellite tracking system

Alva Matthews "was involved in Telstar" (717)

Mildred Mitchell, "head bionicist at the Air Force Avionics Laboratory, specializes in creating or adapting electronic devices to perform human functions, especially during space travel.... Specific inventions of hers are an artificial muscle, a nail-bender, and artificial biological clocks." (719)

Barbara Paulson, calculated rocket trajectories

Marjorie Rhodes Townsend co -inventor of a digital telemetry system. Worked on SAS-A (aka Uhuru) and SAS-B satellites.

Dorothy Vaughan

Victoria Wang

Irma Wyman

Resources:

https://en.wikipedia.org/wiki/Women_in_computing

[Women Made Early Inroads at JPL](#)

[NASA Engineers and the Age of Apoll](#)