07-120 Introduction to Software Construction

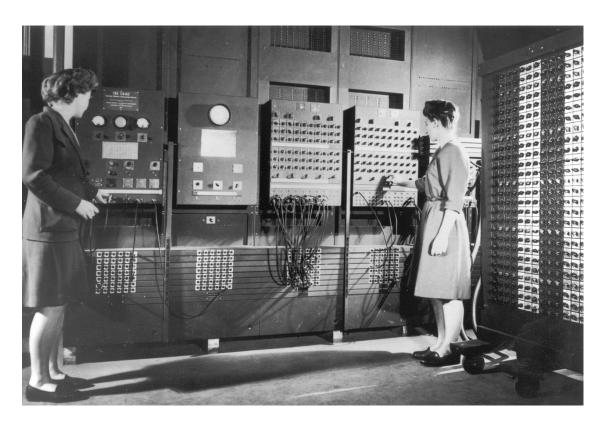
Fall 2023 Michael Hilton and Mayank Goel

Administrivia

HW4 Due Date: Today, November 17, 2023 at 11:59 pm.

Software Design

WWII Computer Programmer(s)



NASA Computers (Dorothy Vaughan, Lessie Hunter, Vivian Adair)



Apollo 11

Liftoff:

9:32 a.m. EDT July 16, 1969



Margaret Hamilton





Software Engineering as a Discipline c. 1969

- Software was very inefficient
- Software was of low quality
- Software often did not meet requirements
- Projects were unmanageable and code difficult to maintain
- Software was never delivered



SOFTWARE ENGINEERING

Report on a conference sponsored by the
NATO SCIENCE COMMITTEE
Garmisch, Germany, 7th to 11th October 1968

Chairman: Professor Dr. F. L. Bauer

Co-chairmen: Professor L. Bolliet, Dr. H. J. Helms

Editors: Peter Naur and Brian Randell

January 1969

What makes a good Software Design?

Design wttr.in

