

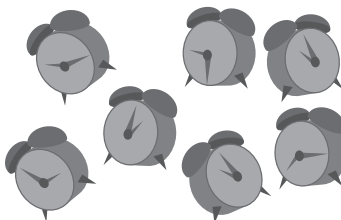
## Coding for Good Badges - Coding Basics 2

# Women in Computer Science: Grace Hopper (1906-1992)



**1906**

I was born in New York City, New York and was the oldest of three children. My parents were Walter Fletcher Murray and Mary Campbell Van Horne.



**1913**

At the age of 7, I took apart 7 alarm clocks to see how they work. My mother took 6 of the disassembled clocks but left 1 for me to explore.



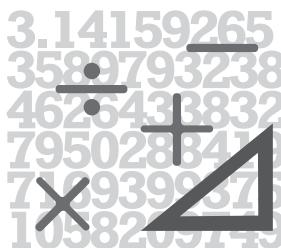
**1922**

At the age of 16, I was applied to Vassar College. I was rejected because of my low grades in Latin class. I didn't give up and was accepted to Vassar the following year. I went to school to study mathematics.



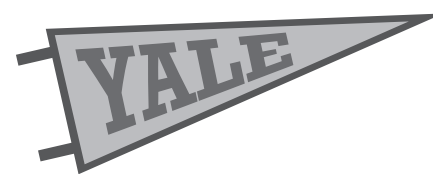
**1928**

I graduated from Vassar College with a Bachelor's degree in Mathematics and Physics.



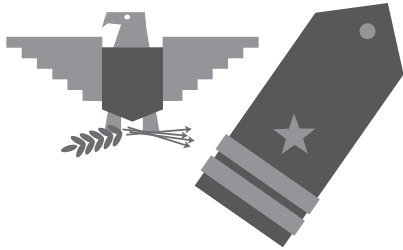
**1930**

I went back to school and earned my Master's degree in Mathematics from Yale University.



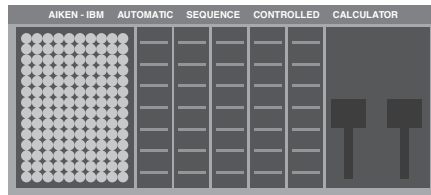
**1934**

I graduated with my Doctorate (PhD) in Mathematics from Yale University.



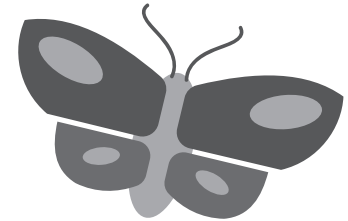
**1943**

I was joined the United States Navy Reserve to serve my country during World War II. The following year I was made a Lieutenant.



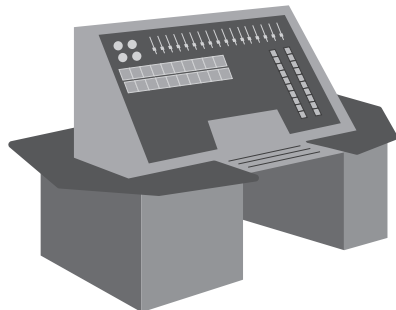
**1944**

My team and I built the first computer in America. It was as big as a bedroom! We called it the Mark I computer.



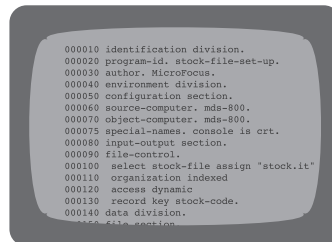
**1947**

My team and I were working on the Mark II computer when it broke. I opened the cover and found a moth inside of the computer! We removed the moth and came up with the term "debugging" which is a strategy that we use today in computer science.



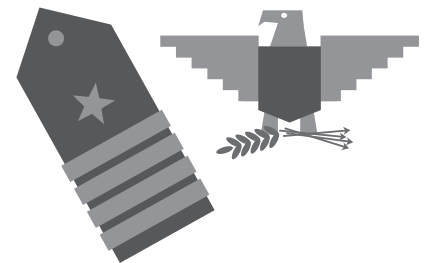
**1949**

My team and I created the first electronic digital computer for commercial use. We called it the UNIVAC. This computer is what the inspiration for computers we use today.



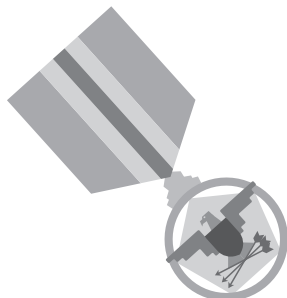
**1959**

I helped invent the coding language, COBOL, which let people code computers using code that was easy to understand and use.



**1966**

I retired and was called to return to Naval duty TWICE! During that time I was promoted to the rank of Captain.



**1986**

I was awarded the Defense Distinguished Service Medal, the highest non-combat honor given by the Department of Defense. I retired later that year.



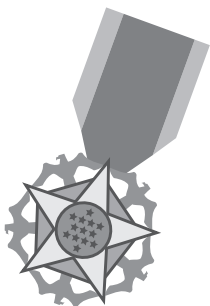
**1991**

I was awarded the National Medal of Technology by President George H. W. Bush. I was the first woman to receive this honor.



**1992**

I passed away at the age of 85. In my honor, the Grace Hopper Celebration of Women in Computer Science conference was created to encourage women to be a part of the computing world.



**2016**

After my death, I was awarded the Presidential Medal of Freedom by President Barack Obama for my work in computer programming.

### Women in Computer Science: Grace Hopper



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