

Philadelphia Section

GRACE HOPPER

IEEE COMPUTER SCIENCE ACHIEVEMENT AWARD

Invention of the computer compiler, COBOL Language and Standards, 1952

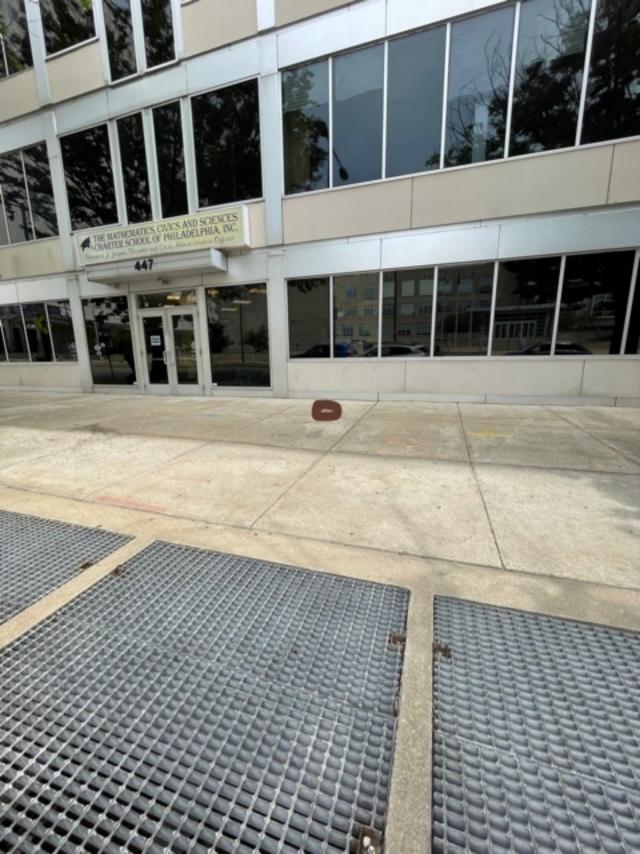
Grace Brewster Murray Hopper was an American Computer Scientist,
(b 12/09/1906 - d 01/01/1992). She was a pioneer of computer programming and
was one of the first programmers of the Harvard Mark I computer, Grace
invented a tool she coined a COMPILER. She popularized the idea of
machine-independent programming languages, which led to the development
of COBOL, an early high-level programming language still in use today. She
developed the implementation of standards for testing computer systems and
components, most notably for early programming languages such as FORTRAN
and COBOL. Grace Hopper coined the expression computer "bug" for program
glitches. She retired from the Navy as a Rear Admiral. Grace worked on many
committees and was often referred to as "Amazing Grace".

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COMPUTER SCIENCE

IEEE Philadelphia Affinity Group







Project Proposal

Created from email and remote meeting with Kate McDevitt on 6/30/21 Submitted by the Institute of Electrical and Electronics Engineers, Philadelphia Section

Achievement Recognition Sidewalk Plaque

Grace Murray Hopper invented the Compiler in 1952 which is a computer program that translates computer code written in our programming language into another language.

In 1949, she joined the Eckert–Mauchly Computer Corporation located at Broad and Spring Garden Streets. She was part of the team that developed the *UNIVAC I* computer.

The proposed sidewalk plaque will recognize her work and is fitting to be placed in front of the Mathematics, Civics, and Sciences Charter School along North Broad Street. The location is also near where she once worked.

Location Details

The encroachment location is the sidewalk 447 North Broad Street, Philadelphia, PA 19123 (GPS coordinates 19123, 39.9613671,-75.1609546). The plaque will be inset into the sidewalk concrete, flush with the surface.