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Essay 2

Charles Babbage often called “The Father of Computing” significance of the calculating engine is one of the finest examples of precision engineering in history. Babbage designed the engine to both calculate and arrange different functions. In essence the design labels a machine that calculates a sequence of values and places the results on a table. For which Lovelace wrote the programs. Lovelace (is often regarded as the first computer programmer) saw what Babbage had designed, and aided in basically reconfiguring the Engine incorporating an arithmetic logic unit, that controlled flow in the form of conditional branching and loops; Lovelace was actually the first to create the method theorized or known as looping, which is a process computer programs use today. Such tables as aforementioned are used in society even now, specifically with navigation and astronomy. Not only did Lovelace play an instrumental role in the developing computer science as a field, she also was the first woman in that time making incredible leaps forwards in computers and technology. The engine although never completed within their life span, was seen to be the first published algorithm ever made for implementing on a computer. Their ideas combined ultimately led to modern computer programming.