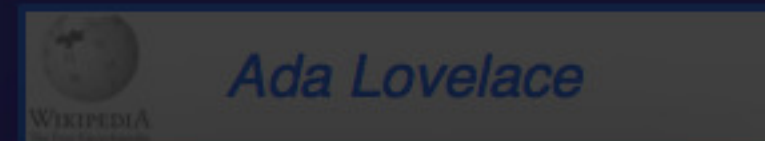


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Ada Lovelace

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Augusta Ada King-Noel, Countess of Lovelace (*née* **Byron**; 10 December 1815 – 27 November 1852) was an English [mathematician](#) and writer, chiefly known for her work on [Charles Babbage](#)'s proposed mechanical general-purpose computer, the [Analytical Engine](#). She was the first to recognise that the machine had applications beyond pure calculation, and published the first [algorithm](#) intended to be carried out by such a machine. As a result, she is often regarded as the first to recognise the full potential of a "computing machine" and the first computer [programmer](#).^{[1][2][3]}

Ada Lovelace was the only legitimate child of the poet [Lord Byron](#), and his wife [Anne Isabella Milbanke](#) ("Annabella"), Lady Wentworth.^[4] All of [Byron's other children](#) were born out of wedlock to other women.^[5] Byron separated from his wife a month after Ada was born and left England forever four months later. He died of disease in the [Greek War of Independence](#) when Ada was eight years old. Her mother remained bitter and promoted Ada's interest in mathematics and logic in an effort to prevent her from developing her father's perceived [insanity](#). Despite this, Ada remained interested in Byron

Ada, Countess of Lovelace

