

Alan Turing

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Biographical sketch

- He went to college where he published multiple papers and studied many things
- He invented the Turing machine
- During WWII, he worked to develop the *Bombe*, which helped to decode any message sent from an Enigma machine
- He enjoyed the challenge of breaking the German versions of these machines
- He was asked to design to ACE (Automatic Computing Engine), which was one of the first designs of a programmable computer
- Became a teacher at University of Manchester and began to write code for programming computers
- He loved to study problems that were at the heart of artificial intelligence



Salient contributions

- Turing Machine
- Turing Test
- Broke German ciphers (Enigma) during WWII
- Designed the ACE (Automatic Computing Engine)
- Published many papers: *Computing machinery and intelligence, Systems of Logic Based on Ordinals, On Computable Numbers, with an application to the Entscheidungsproblem, and more*
- Wrote code for programming computers
- Bombe (a machine to decode messages sent from an Enigma)



References

<https://mathshistory.st-andrews.ac.uk/Biographies/Turing/>

https://en.wikipedia.org/wiki/Alan_Turing

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<https://www.profolus.com/topics/the-contributions-of-alan-turing/>