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# Enigma

Emulating the  
unbreakable

An attempt by Gary Ho

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# The Enigma Machine

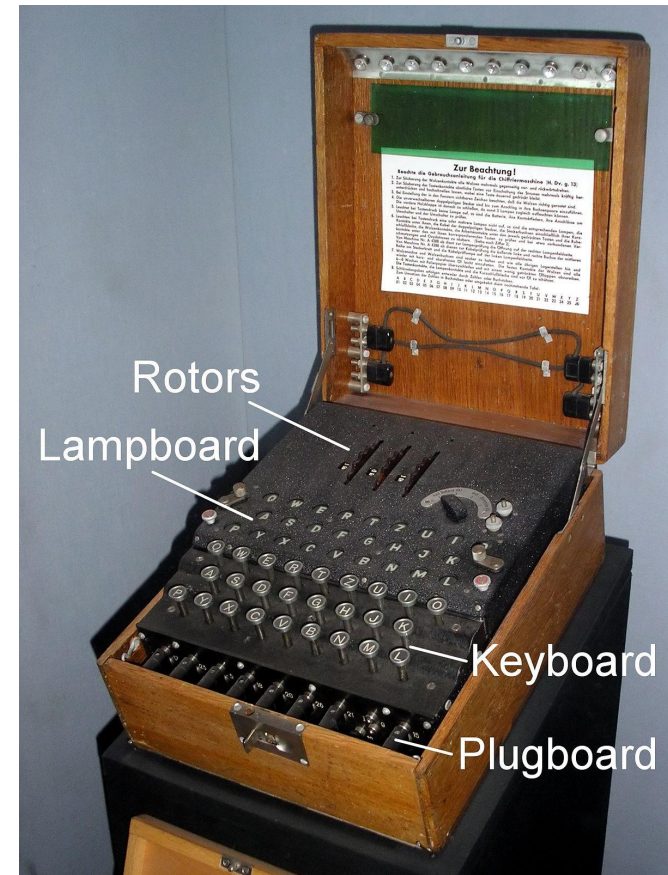
Most famously used in World War 2 by Germany

Used to encrypt and decrypt messages between German forces

Was used for both civilian and military purposes

Thought to be effectively uncrackable for a time

Eventually solved by Alan Turing and the Bombe

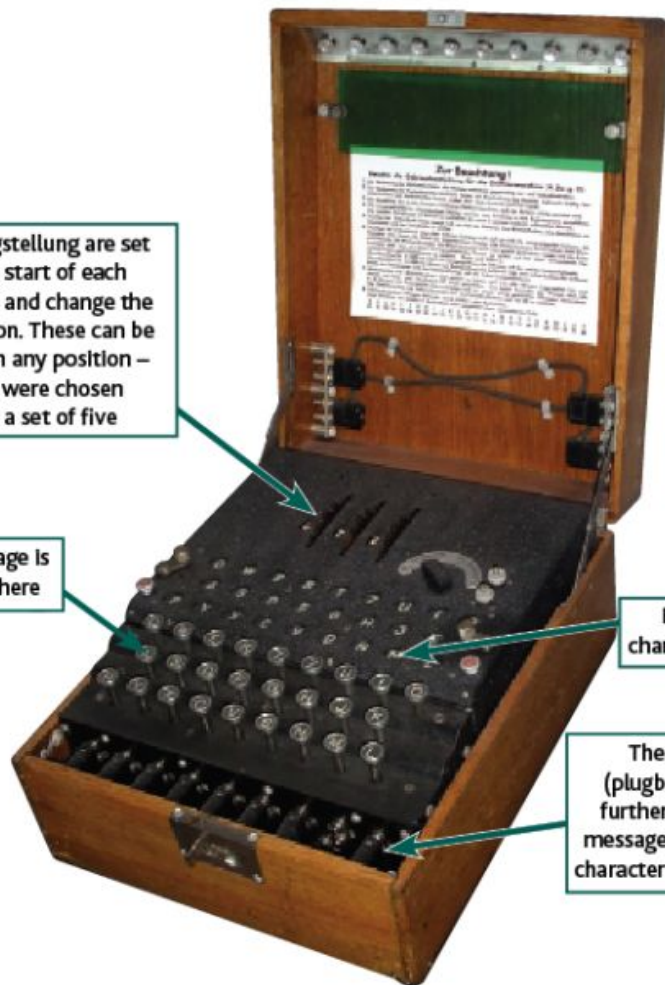


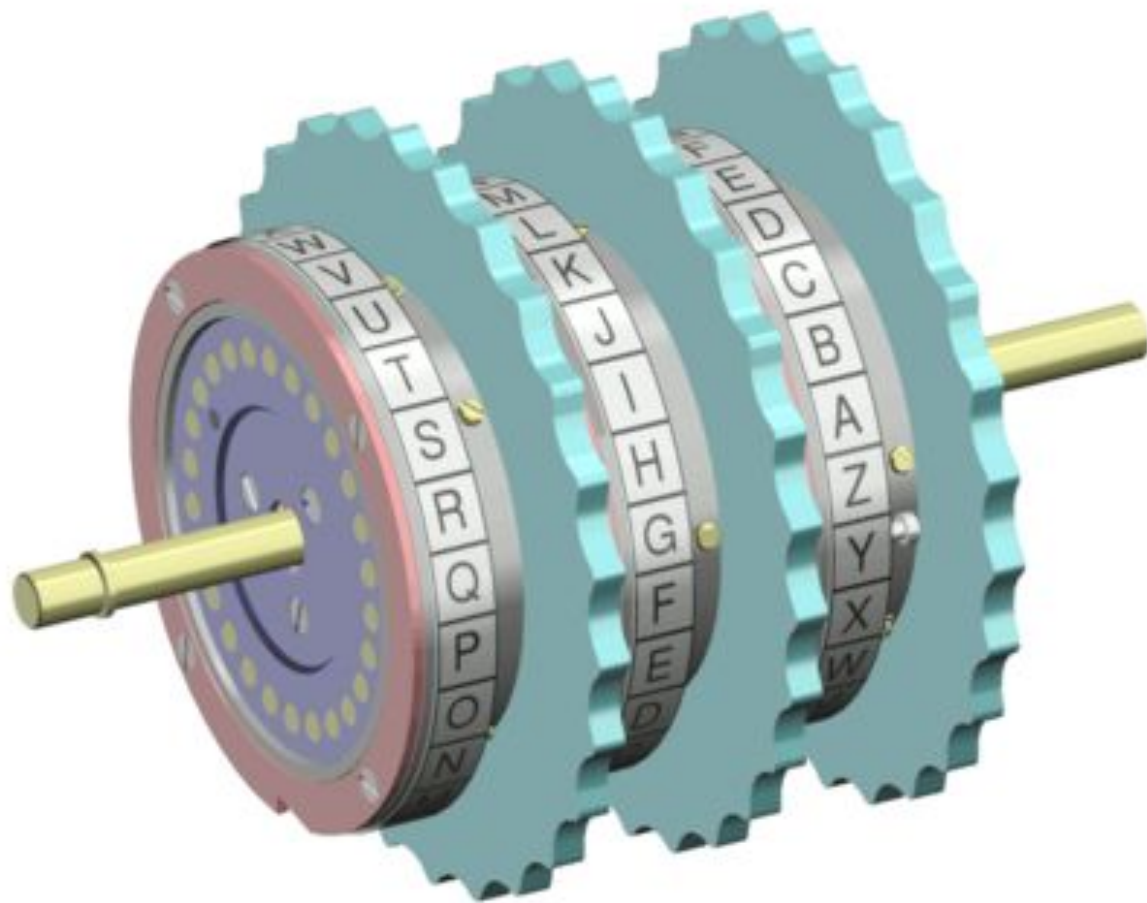
The Ringstellung are set at the start of each message and change the encryption. These can be placed in any position – three were chosen from a set of five

The message is typed in here

Each encrypted character is lit up here

The Steckerbrett (plugboard) is used to further complicate the message and add an extra character swap into the mix







### Looking Forward

- Further Development
- Additional Features
- Exact Emulation

## Review

- Development Challenges
- Favourite Parts
- Detestable Parts

# Thankyou



Any Questions?