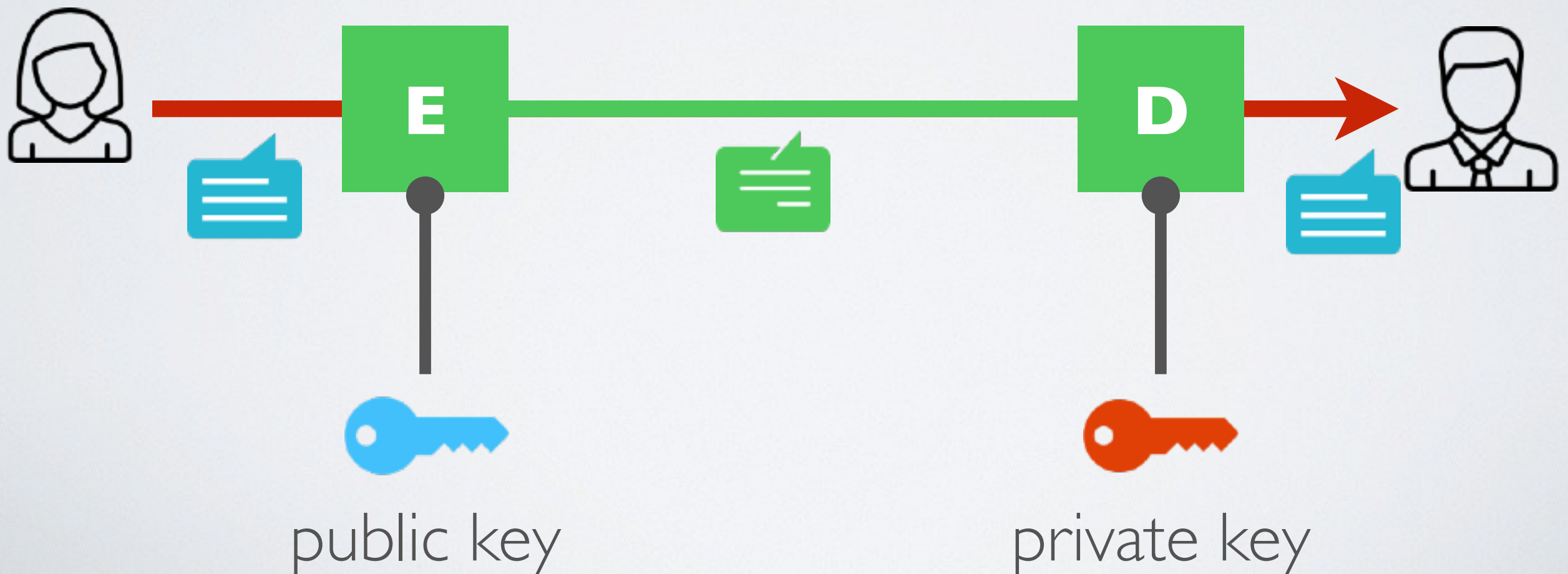


# Asymmetric encryption a.k.a Public Key Cryptography

- ➡ The public key for encryption
- ➡ The private key for decryption



# Asymmetric keys



Alice generates a pair of asymmetric keys

- $K_{s_A}$  is the secret key that Alice keeps for herself
  - $K_{p_A}$  is the public key that Alice gives to everyone (even Mallory)
- ➔ These two keys  $K_{s_A}$  and  $K_{p_A}$  work together