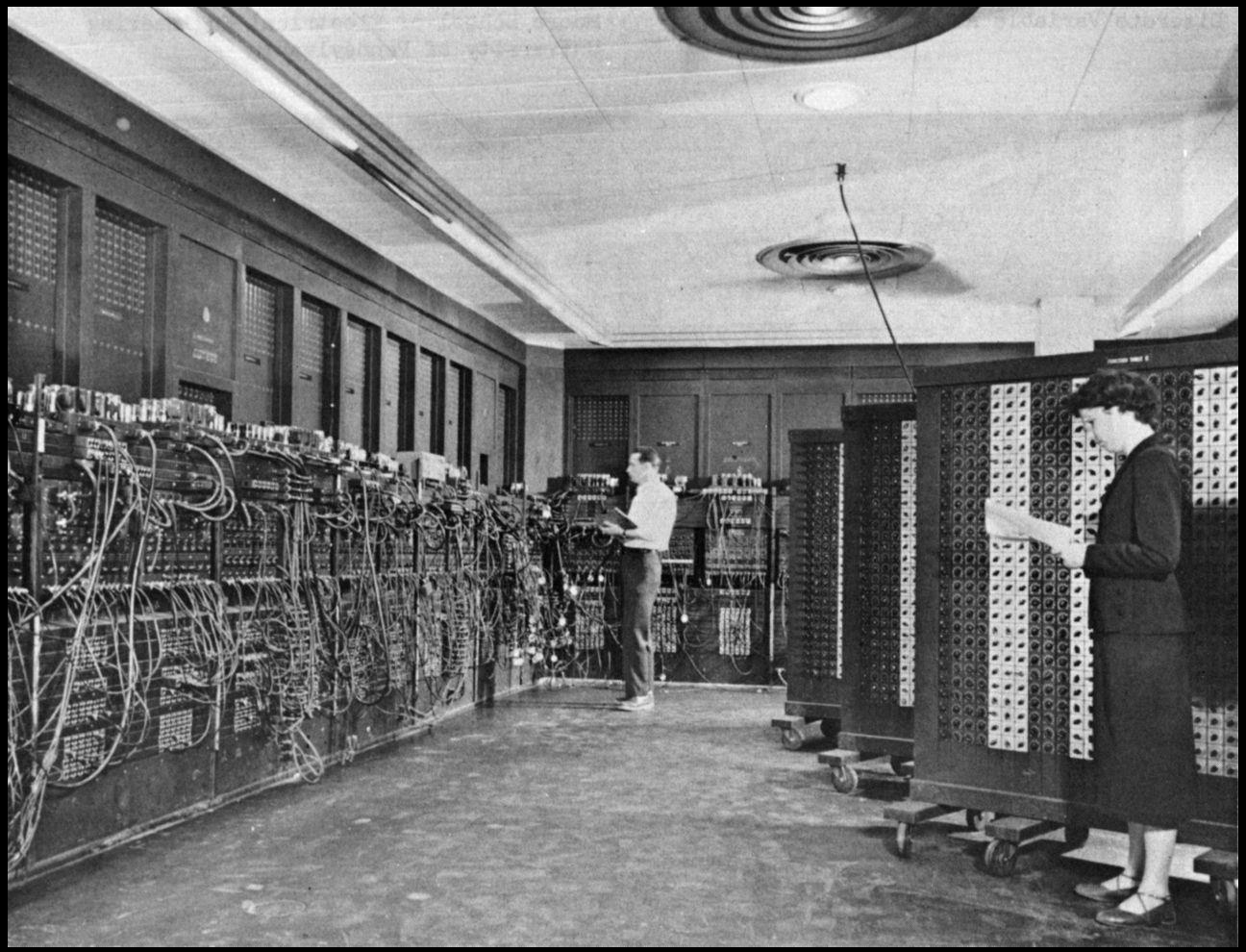
What the code!

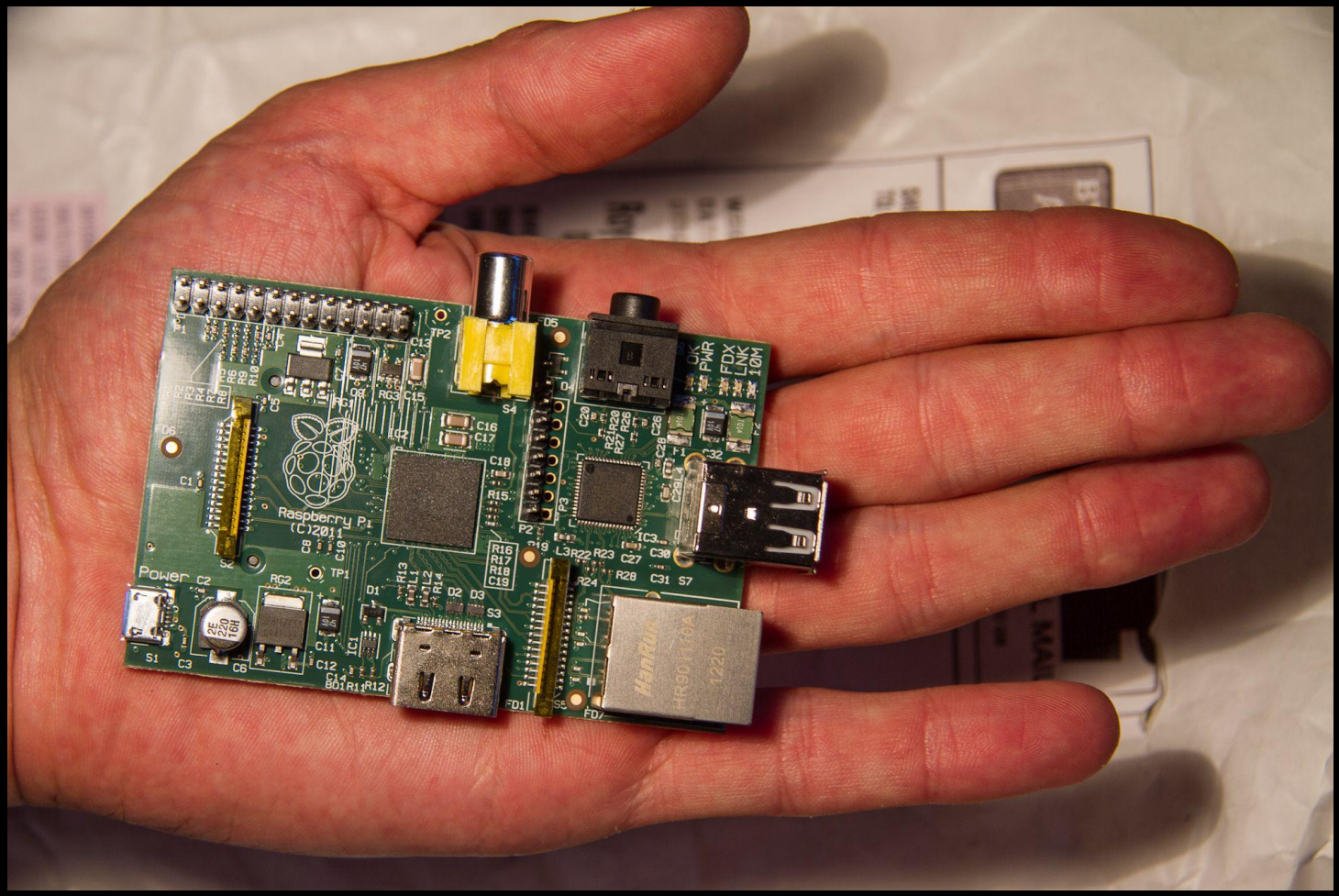
A story about evolution of computer and programming

In the beginning (1946)



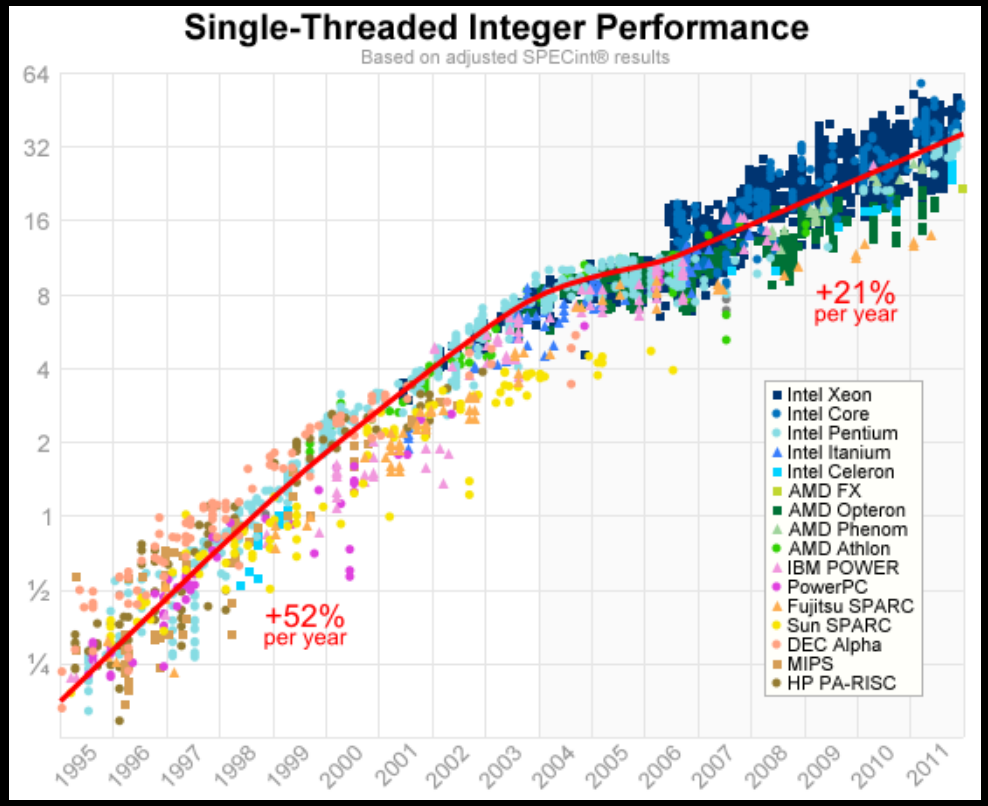
And today (2015)

Also this (2015)



Full-Fledged

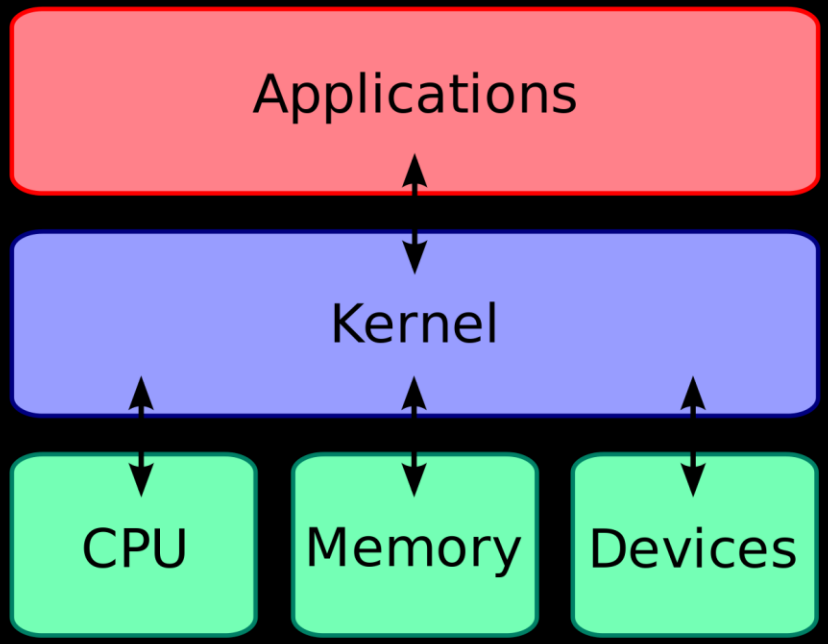
History…


Single-Threaded Integer Performance
Based on adjusted SPECint® results
64
32
16
8
4
2
1
½
¼
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
+52%
per year
+21%
per year
Intel Xeon
Intel Core
Intel Pentium
Intel Itanium
Intel Celeron
AMD FX
AMD Opteron
AMD Phenom
AMD Athlon
IBM POWER
PowerPC
Fujitsu SPARC
Sun SPARC
DEC Alpha
MIPS
HP PA-RISC

Numbers…

- PCs: 2000000000 (2 billions)
- Smartphone: 3000000000 (3 billions)
- Human: 7300000000 (7.3 billions)

Hardware and Software



What behind software

```
puts 'Hello, world!'
```

What is Code – Paul Ford

- http://bit.do/whatiscode

Where to Start?

www.codecademy.com

www.codecademy.com

Where to Start?

cs101.stanford.edu

STANFORD
UNIVERSITY

bit.do/mitocwcs

MIT EECS ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

IRL ?

IRL ?

IRL ?

Let’s code!

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