

A Theology of Computer Programming Languages

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What is the Eternal Significance of Computer Science?

A Typical Conversation

“Hey, I’m Elliott. I work on computers.”

“That’s really cool! Could you build us a website?”

“Um. . . .”

The Problem

- ▶ Language Designer
- ▶ Compiler Writer
- ▶ Runtime Programmer
- ▶ Performance Programmer
- ▶ Application Programmer
- ▶ Domain Scientist
- ▶ Corporate Scientist
- ▶ Product Engineer
- ▶ Product Manager
- ▶ Marketing Specialist
- ▶ Retail Specialist
- ▶ ...

What Matters to God?

What is Computer Science?

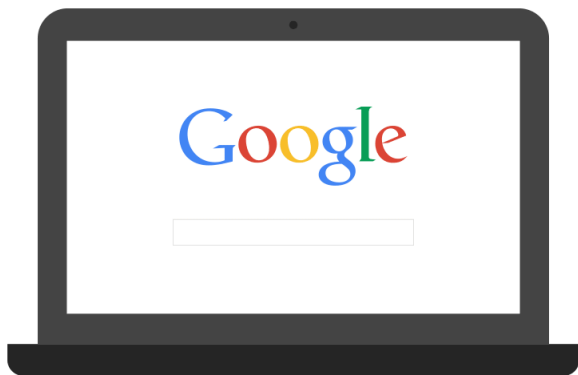


Figure 1: <http://cdn.slashgear.com/wp-content/uploads/2015/04/2015-04-16-Google-search-gif.gif>

Programs

- ▶ Every program *defines* a language
- ▶ Every program is defined *within* a certain language

Programming Language

1. $x = 0$
2. $x = x + 2$
3. $z = x < n$
4. if z goto 2 else goto 5
5. $z = x == n$
6. return z

Compiler



Figure 2: https://static.coco.sensis.com.au/20120518t123852n00f0013/Translations_300x185.jpg

In the beginning was the Word, and the Word
was with God, and the Word was God