

# Programming in Go

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Matt Holiday  
Christmas 2020



## Parting Thoughts

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## Selected Go proverbs

Words to live by 🙇

- **Clear is better than clever**
- A little copying is better than a little dependency
- Concurrency is not parallelism
- Channels orchestrate; mutexes serialize
- Don't communicate by sharing memory, share memory by communicating
- Make the zero value useful
- The bigger the interface, the weaker the abstraction
- Errors are values
- Don't just check errors, handle them gracefully

## A parting word from Tony Hoare

“There are two ways of constructing a software design: One way is to make it so simple that there are *obviously* no deficiencies and the other way is to make it so complicated that there are no *obvious* deficiencies.”

— Tony Hoare  
*The Emperor's Old Clothes*  
(Turing Award Lecture, 1980)



**Simplicity**



**Complexity**

## Some non-Go things


Here is a short list of presentations I think everyone should watch:


- *Simple made easy* (Rich Hickey, QCon 2012)
- *Small is beautiful* (Kevlin Henney, GOTO 2016)
- *Software that fits in your head* (Dan North, GOTO 2016)
- *Worse is better, for better or for worse* (Kevlin Henney, GOTO 2013)
- *Solid snakes or How to take 5 weeks of vacation* (Hynek Schlawack, PyCon 2017)

None of these are about Go, and all of them are about how to build software in Go

*(no, I don't necessarily agree with every point made by these or other speakers)*

# Learning resources (books, blogs, videos)


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 **matt4biz** Fix headers in the video section 7934081 on May 18, 2020 🕒 22 commits

📁 docs	Fix headers in the video section	9 months ago
📄 README.md	The great re-organization	9 months ago

README.md 

## Go resources


This is a list of books, articles, videos, and other resources about learning Go along with some related topics.

Although a few tools or frameworks are mentioned, this site is particularly oriented towards tutorials or articles to improve one's knowledge of Go or software development, particularly development for the cloud.

If you're looking for links to software, [Awesome Go](#) is a site primarily oriented toward Go projects with some information on conventions and tutorials also.

The apple 🍏 marks items of particular note.

### About



Resources for Go (golang) developers

📖 [Readme](#)

### Releases

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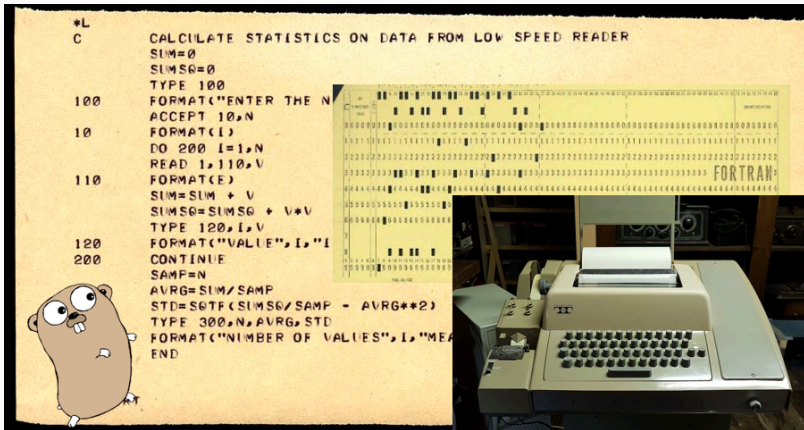
### Contributors

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## “Never stop learning”





## One more thing . . .

I will follow this class with another on building web apps in Go

- basic REST APIs
- databases
- GraphQL
- testing