

**Make Your Life Better**  
**With Go**

# Italk.Presenter()

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MHacks Core Tech Developer

Umich Junior in CSE

golang enthusiast ('gopher')



# Italk.Focus()

```
talk := “Why*, What*, Who*, How*, When*, More*, Where*”
```

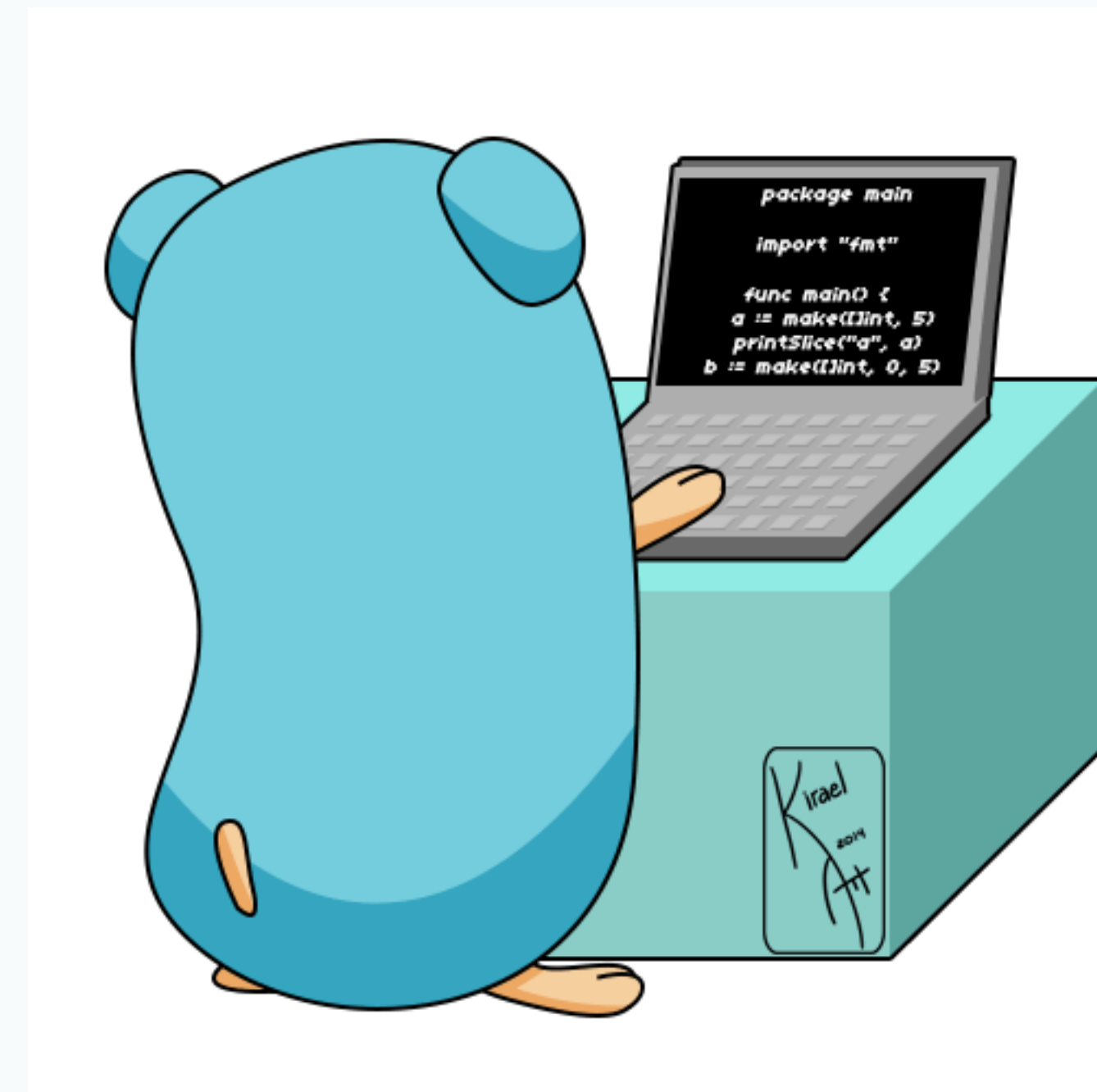
```
talk = strings.Replace(talk, “*”, “ GO”, -1)
```

# Why Go

Understandable Code

Efficient Runtime

Fast Compiling



# What Go

Types

Interfaces

Packages

Error Handling

```
1  package main
2
3  import (
4      "errors"
5      "fmt"
6      "log"
7  )
8
9  type number int
10
11 func (n number) numberFunc() {}
12
13 type reader interface {
14     read()
15 }
16
17 type numReader struct {
18     number
19     reader
20     ok bool
21 }
22
23 var thisNumber number = 25
24
25 func doThis() (string, error) {
26     return "", errors.New("not implemented")
27 }
28
29 func runThis() {
30     str, err := doThis()
31     if err != nil {
32         log.Fatal(err)
33     }
34     fmt.Println(str)
35 }
```



# Who Go



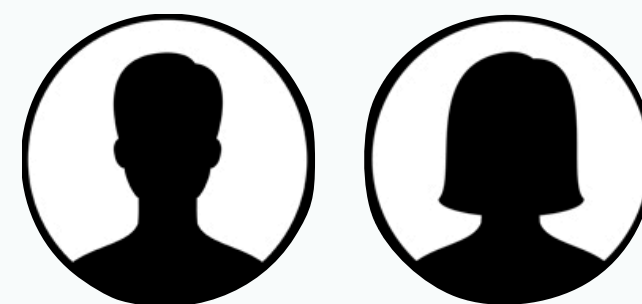
**Rob Pike - Co-Creator**



**Peter Bourgon - Go-kit**



**Francesc Campoy - JustForFunc**



**And Maybe You!!!**

# How Go

Install at [golang.org](https://golang.org)

go get “package”

go run \*.go

go [build|install]



# When Go

Now... Demo



# More Go

You just saw: Webserver

Concurrency

Application Scaling

CLI Tools

Microservices, gRPC & Protobuf

cgo (think of the possibilities)

# Where Go

[golang.org](https://golang.org)

[gobyexample.com](https://gobyexample.com)

[godoc.org](https://godoc.org)

[github.com/avelino/awesome-go](https://github.com/avelino/awesome-go)

# Thanks!!

I'll go now 🤗