

“There are only two hard things in Computer Science:  
cache invalidation and naming things.”

-- Phil Karlton

“There are 2 hard problems in computer science: cache invalidation, naming things, and off-by-1 errors.”

-- Leon Bambrick

“there's two hard problems in computer science: we only have one joke and it's not funny.”

-- @pbowden

# LEVEL UP YOUR GIT COMMITS WITH GITMOJI!



PRACTICING GITMOJI  
WILL MAY HELP YOU GET  
BETTER AT NAMING  
THINGS

# OVERVIEW

- » Emoji Primer
- » Gitemoji
- » Tour
- » Theory
- » Best Practices
- » Tools

# EMOJI

a standardised set of characters that is available on iOS, Android, Windows and macOS. While the artwork for each emoji character varies by platform, the meaning of each symbol remains the same.

# EMOJI PRIMER



- » name: Pile of Poop
- » Unicode codepoint: U+1F4A9



- » shortcode: :poop:
- » <https://emojipedia.org/pile-of-poo/>

# EMOJI VERSIONS

- » Unicode 6.0 (2010)
- » Unicode 8.0/Emoji 1.0 (2015)
- » Unicode 10.0/Emoji 5.0 (2017)
- » No Emoji 6.0-10.0
- » Unicode/Emoji 11.0 (2018)
- » Unicode/Emoji 12.0 (2019)
- » Unicode/Emoji 13.0 (2020)

# **3,304 EMOJI IN THE UNICODE STANDARD**

» as of Emoji 13.0



Emoji 14 will be delayed 6 months into 2022 due to COVID-19

# gitm 😎 ji

An emoji guide for your commit messages

# GITMOJI

» git + emoji

» Created by Carlos Cuesta

# CONVENTIONAL COMMITS

- » Gitemoji is like Conventional Commits
- » but more fun

<https://conventionalcommits.org/en/v1.0.0/>

feat: allow provided config object to extend other configs  
BREAKING CHANGE: `extends` key in config file is now used for extending other config files  
refactor!: drop support for Node 6  
fix: correct minor typos in code  
docs: correct spelling of CHANGELOG

# INSPIRED BY ATOM

CONTRIBUTING.md#git-commit-messages

## Git Commit Messages

- Use the present tense ("Add feature" not "Added feature")
- Use the imperative mood ("Move cursor to..." not "Moves cursor to...")
- Limit the first line to 72 characters or less
- Reference issues and pull requests liberally after the first line
- When only changing documentation, include [ci skip] in the commit title
- Consider starting the commit message with an applicable emoji:
  -  :art: when improving the format/structure of the code
  -  :racehorse: when improving performance
  -  :non-potable\_water: when plugging memory leaks
  -  :memo: when writing docs
  -  :penguin: when fixing something on Linux
  -  :apple: when fixing something on macOS
  -  :checkered\_flag: when fixing something on Windows
  -  :bug: when fixing a bug
  -  :fire: when removing code or files
  -  :green\_heart: when fixing the CI build
  -  :white\_check\_mark: when adding tests
  -  :lock: when dealing with security
  -  :arrow\_up: when upgrading dependencies
  -  :arrow\_down: when downgrading dependencies
  -  :shirt: when removing linter warnings

# EXAMPLES



phatblat committed on May 24 ✓



Update emoji on release



phatblat committed on May 24 ✓



Log Xcode version from build



phatblat committed on May 24 ✓

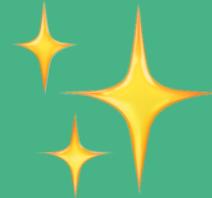
...

# GITMOJI TOUR



:tada:

» Begin a project



:sparkles:

» Introducing new features



: bug :

» Fixing a bug



## :white\_check\_mark:

» Adding or updating tests



:arrow\_up:

» Upgrading dependencies



# :rotating\_light:

» Removing linter warnings



# :lipstick:

- » Adding or updating UI and style files



:fire:

» Removing code or files



:art:

» Improving structure or format of code



:boom:

» Introducing breaking changes



# :bookmark:

» Release/version tags



# :construction\_worker:

- » Adding or updating CI build system



## :wrench:

- » Adding or updating configuration files



## :hammer\_and\_wrench:

- » Adding or updating Xcode configuration files

\*This is a @phatblat™ suggestion for Apple devs

# GET ALL THAT?



**WHAT DOES THIS HAVE  
TO DO WITH NAMING  
THINGS?**

# BRAIN EXERCISE



- » Executive Function
- » Decision-making

# EXECUTIVE FUNCTION

an umbrella term for the neurologically-based skills involving mental control and self-regulation.

- » Working memory
- » Mental flexibility
- » Self-control
- » Self-monitoring
- » Planning and problem solving

# WORKING MEMORY

governs our ability to retain and manipulate distinct pieces of information over short periods of time.

# MENTAL FLEXIBILITY

helps us to sustain or shift attention in response to different demands or to apply different rules in different settings.

- » writing code vs crafting commit message
- » abstraction!

# **SELF-CONTROL**

enables us to set priorities and resist impulsive actions or responses.

# **SELF-MONITORING**

keeping track of what you're doing

# PLANNING

thinking ahead of what type of changes you are going to a project

# PROBLEM SOLVING

process of investigating the given information and finding all possible solutions through invention or discovery

# DECISION-MAKING

actions taken to solve a problem

- » choosing a name for a variable, method or type
- » choosing an emoji to include in your commit message

# TL;DR

it makes you think more about your commit messages  
and contents

# GITMOJI BEST PRACTICES

# ONE EMOJI PER COMMIT MESSAGE

- » Like a label
- » Wanting to cram more emoji is a sign that your commit may not be focused
- »  > 

# **EXPERIMENT, BUT BE CONSISTENT WITHIN THE PROJECT**

- » no need to use platform emoji on a single-platform project

# TOOLS

- » gitmoji
- » macOS Character Picker
- » Karabiner-Elements
- » Rocket

# ONLINE CHEATSHEET

» <https://gitmoji.carloscuesta.me/>

# GITMOJI INSTALL

```
npm i -g gitmoji-cli
```

# GITMOJI LIST

```
↳ gitmoji --list
🎨 - :art: - Improving structure / format of the code.
⚡ - :zap: - Improving performance.
🔥 - :fire: - Removing code or files.
🐛 - :bug: - Fixing a bug.
🚑 - :ambulance: - Critical hotfix.
✨ - :sparkles: - Introducing new features.
📝 - :memo: - Writing docs.
```

# GITMOJI SEARCH

```
↳ gitmoji --search beer
 - :beers: - Writing code drunkenly.
 - :rewind: - Revert changes.
 - :twisted_rightwards_arrows: - Merge branches.
 - :tada: - Begin a project.
 - :card_file_box: - Perform database related changes.
 - :bento: - Add or update assets.
 - :see_no_evil: - Add or update a .gitignore file.
 - :seedling: - Add or update seed files.
 - :wastebasket: - Deprecating code that needs to be cleaned up.
```

# GITMOJI COMMIT

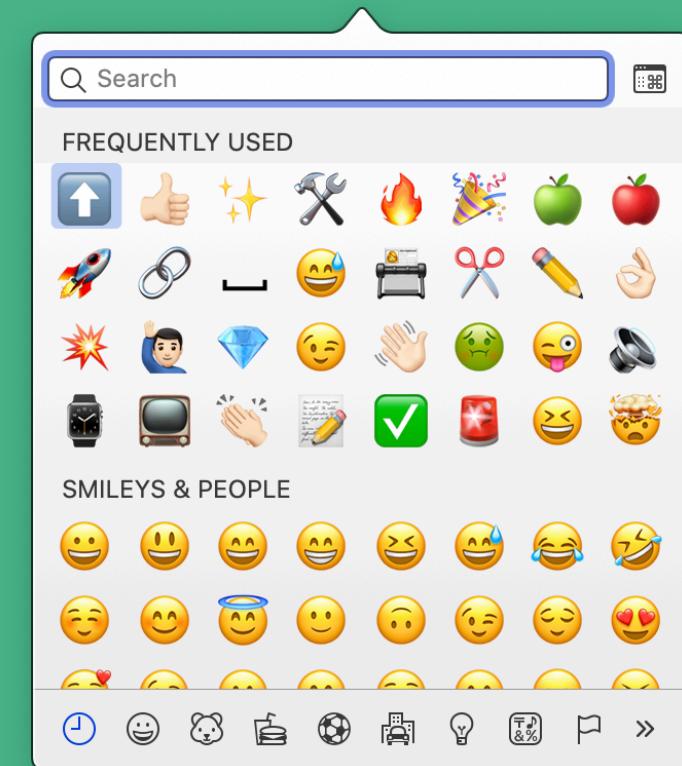
```
↳ gitmoji --commit  
? Choose a gitmoji: (Use arrow keys or type to search) █  
❯  - Improving structure / format of the code.  
 - Improving performance.  
 - Removing code or files.  
 - Fixing a bug.  
 - Critical hotfix.  
 - Introducing new features.  
 - Writing docs.
```

(Move up and down to reveal more choices)

# GITMOJI COMMIT 2

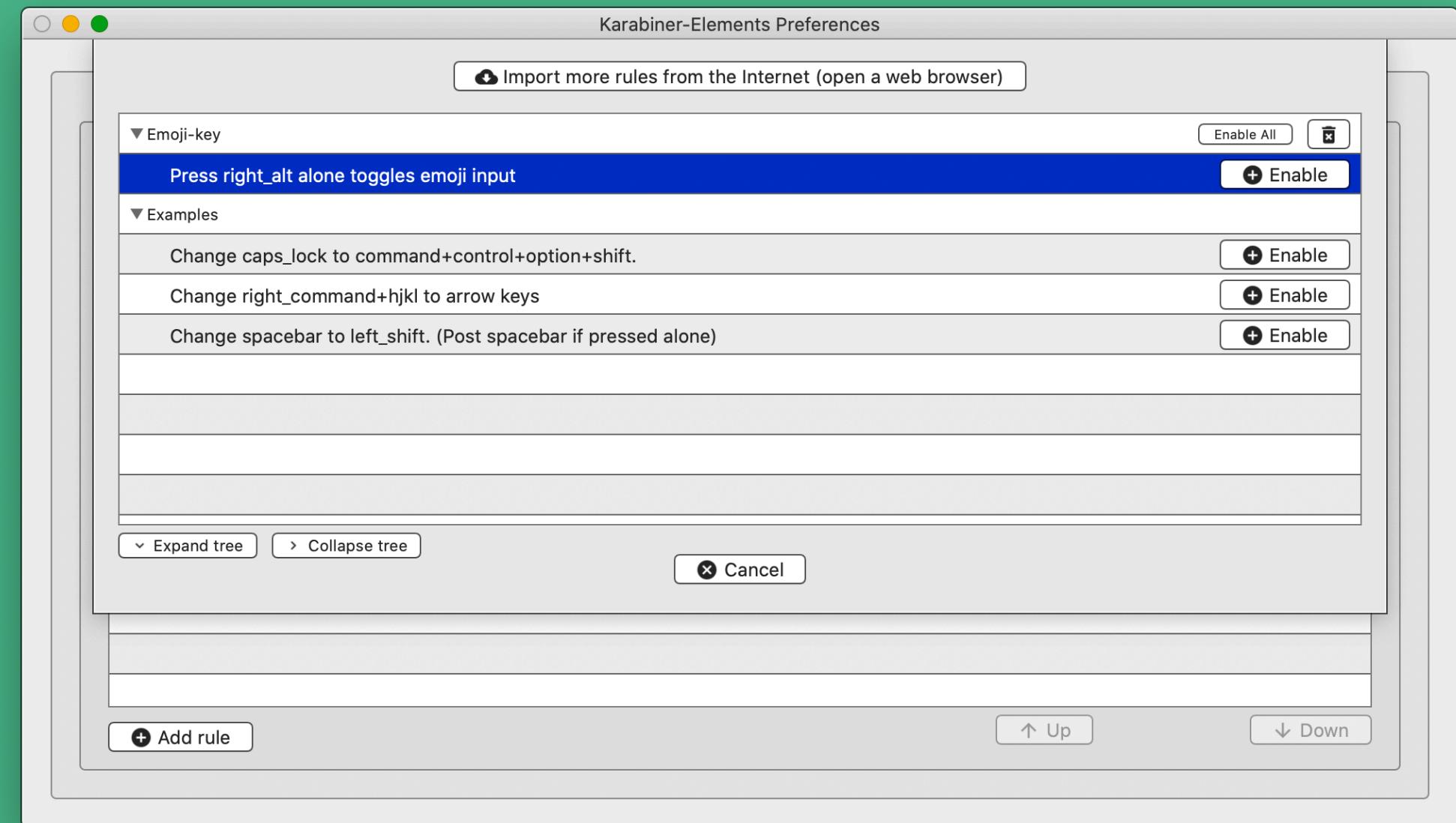
```
↳ gitmoji --commit  
? Choose a gitmoji: 🍲 - Adding or updating assets.  
? Enter the commit title [23/48]: Added screenshot images  
? Enter the commit message:  
[master b76e204] :bento: Added screenshot images
```

# MACOS CHARACTER VIEWER



^ + ⌘ + ⇧

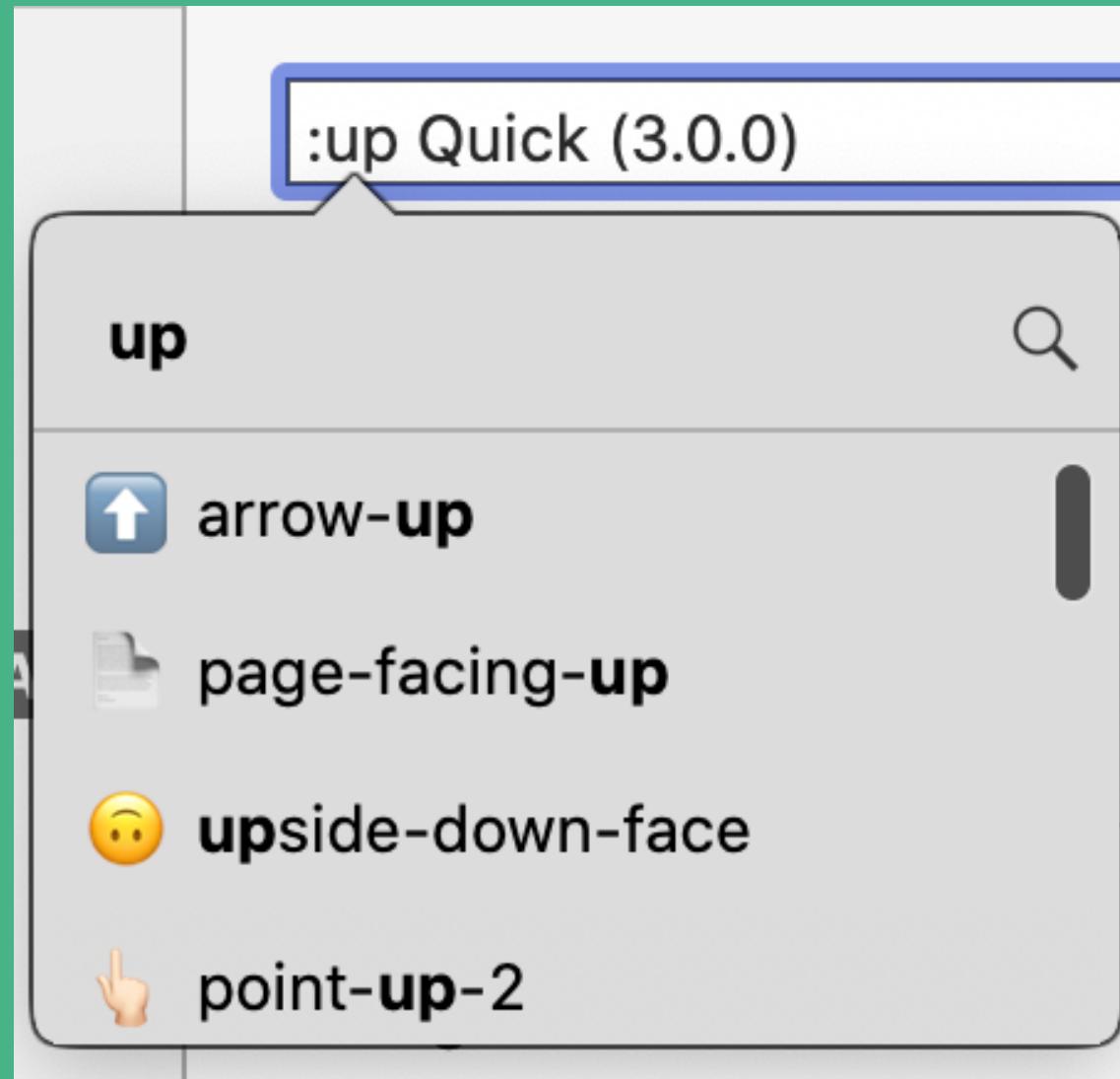
# KARABINER-ELEMENTS



# PROGRAMMABLE KEYBOARD



# ROCKET



<https://matthewpalmer.net/rocket/>

**GO FORTH AND  
GITMOJIFY THINE  
COMITS!**

# REFERENCES

- » What the 2021 Unicode Delay Means for Emoji Updates
- » Gitemoji
- » GitHub emoji shortcodes
- » GitHub Markdown Emoji
- » Slack Emoji Short Codes
- » Use emoji and symbols on Mac

# REFERENCES 2

- » @phatblat's keyboard setup
- » ErgoDox EZ programmable keyboards
- » Karabiner-Elements
  - » Emoji-key
  - » source
- » TwoHardThings by Martin Fowler
- » Executive functions