



JAVA 达摩班

开发环境入门



破冰之旅
ICE BREAKER

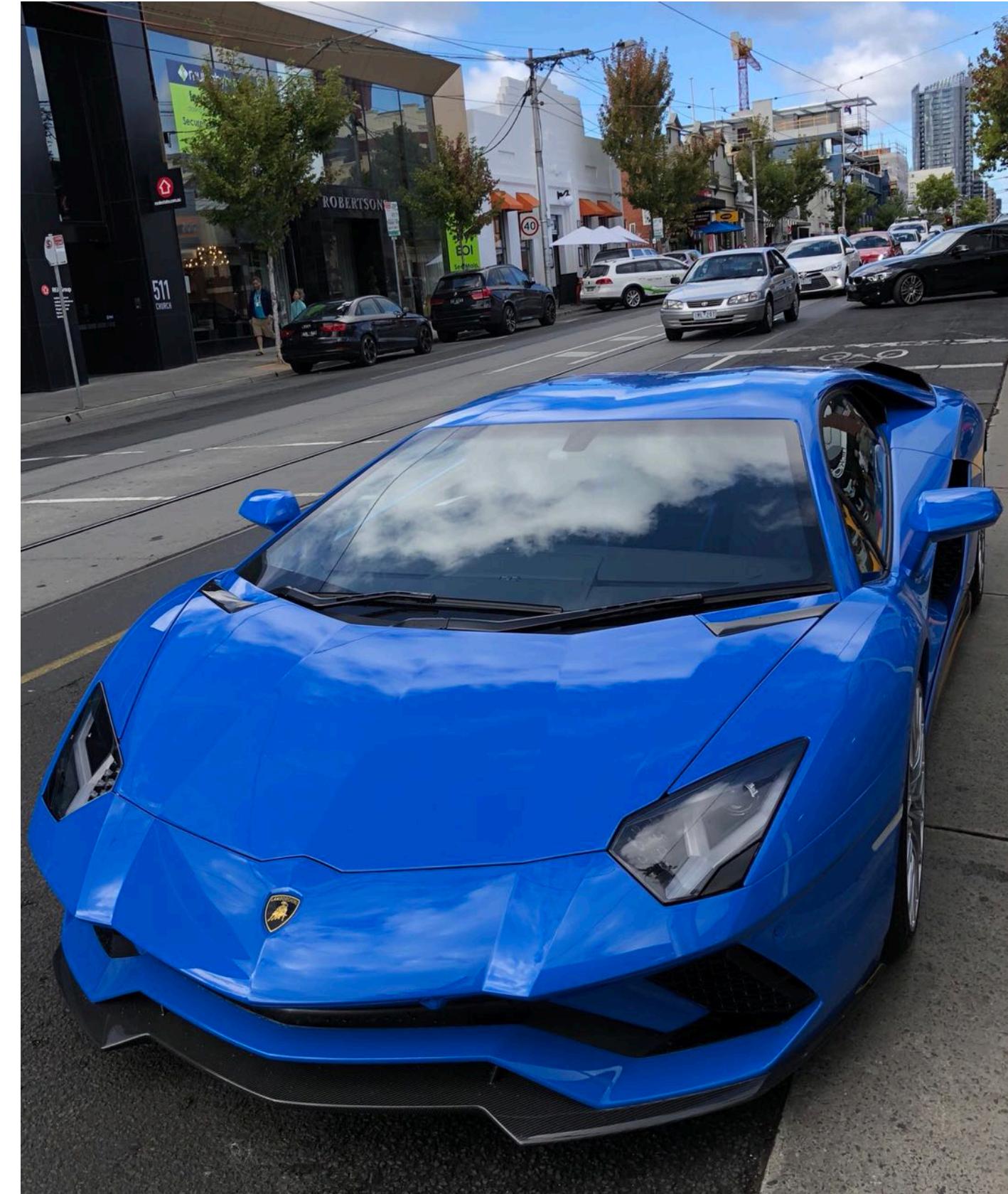
Hello!

我叫 兰博基尼

我来自...我想学习因为...

我用过...我最精通的是...

传递给下一位



开发环境入门

Java基础

Java高级（强化学习）

Web核心开发

Spring 核心概念

Spring 实践

常规数据库

敏捷编程

微服务

部署

前端基础与前后端融合

项目实训

大型开发项目实训学习（4-8个）

包括：移动，银行等项目

项目实战

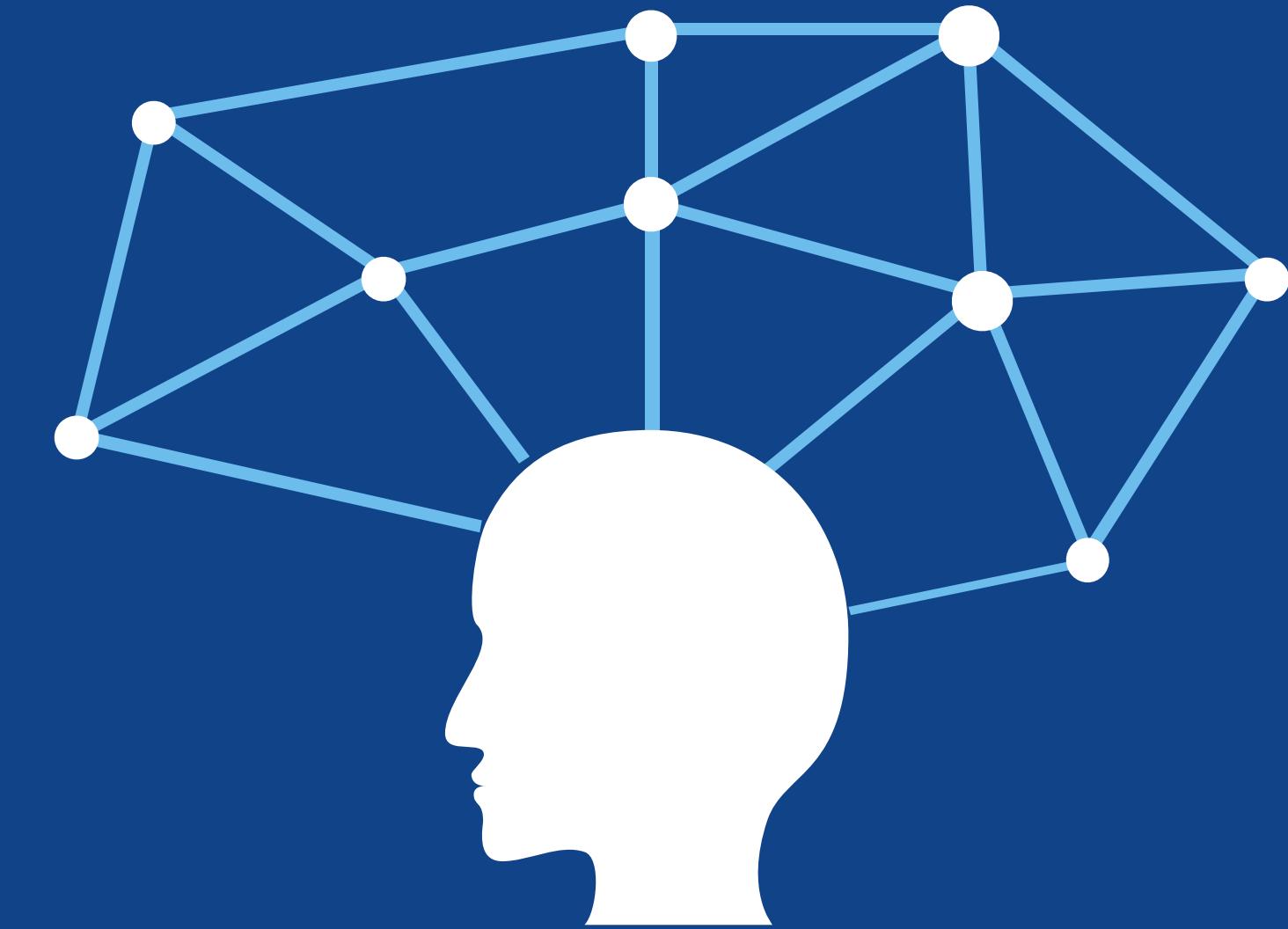
实战项目（1-2个）

Oracle大型云数据库课程

GPU数据库

深度学习基础

面试挑战





MAC OS 系统入门

最适合开发者的系统之一

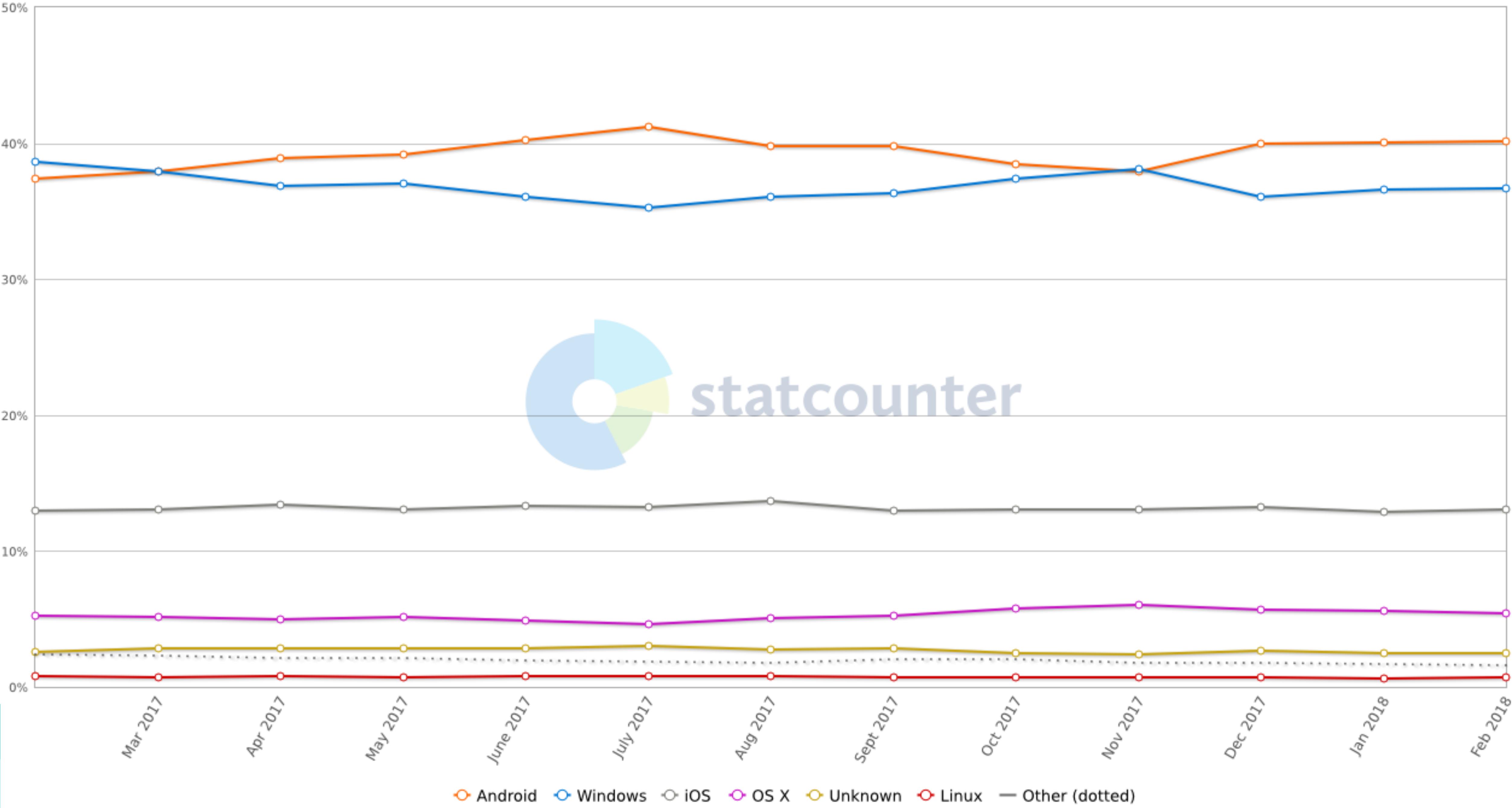
1



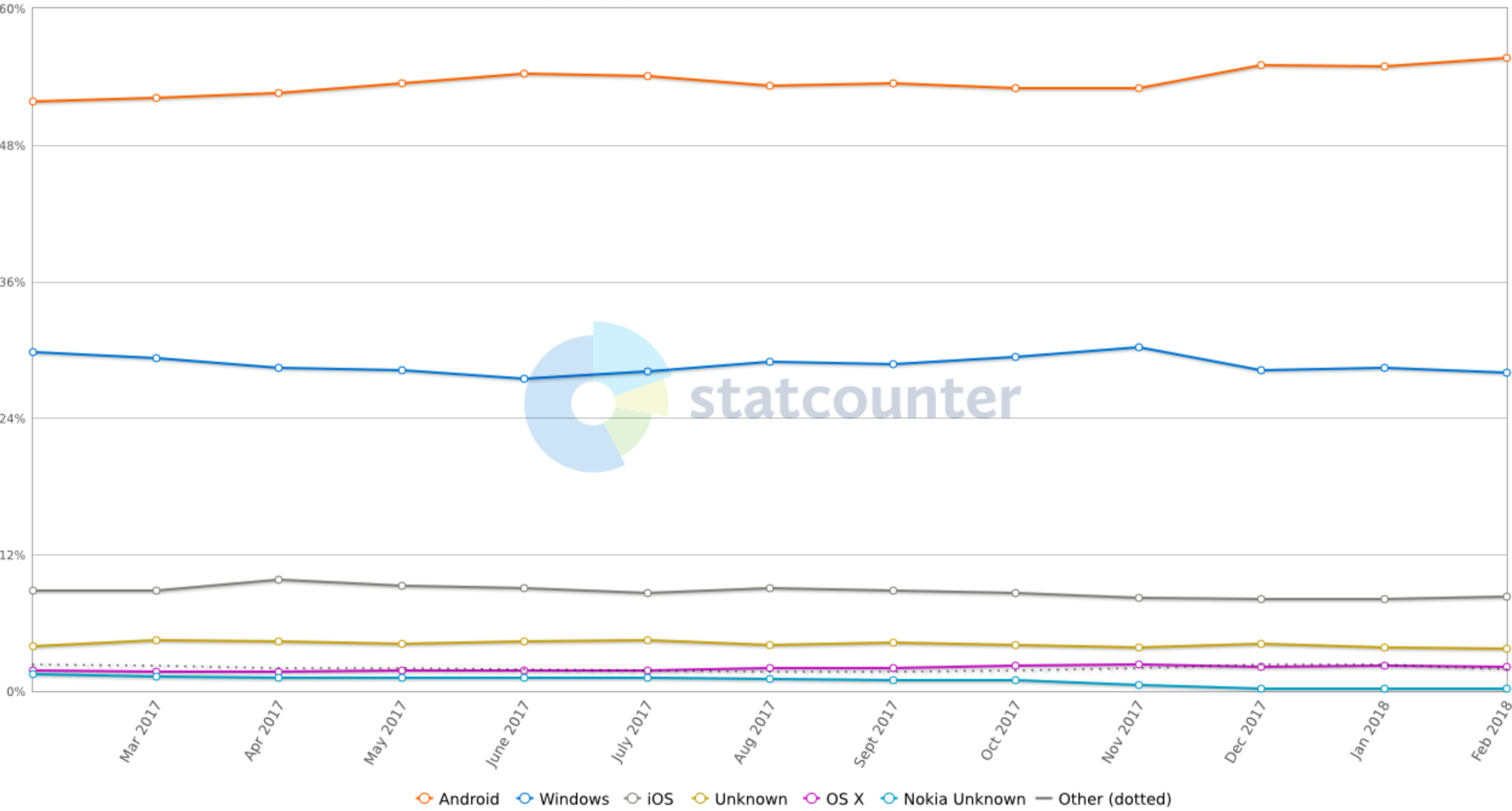
操作系统市场份额



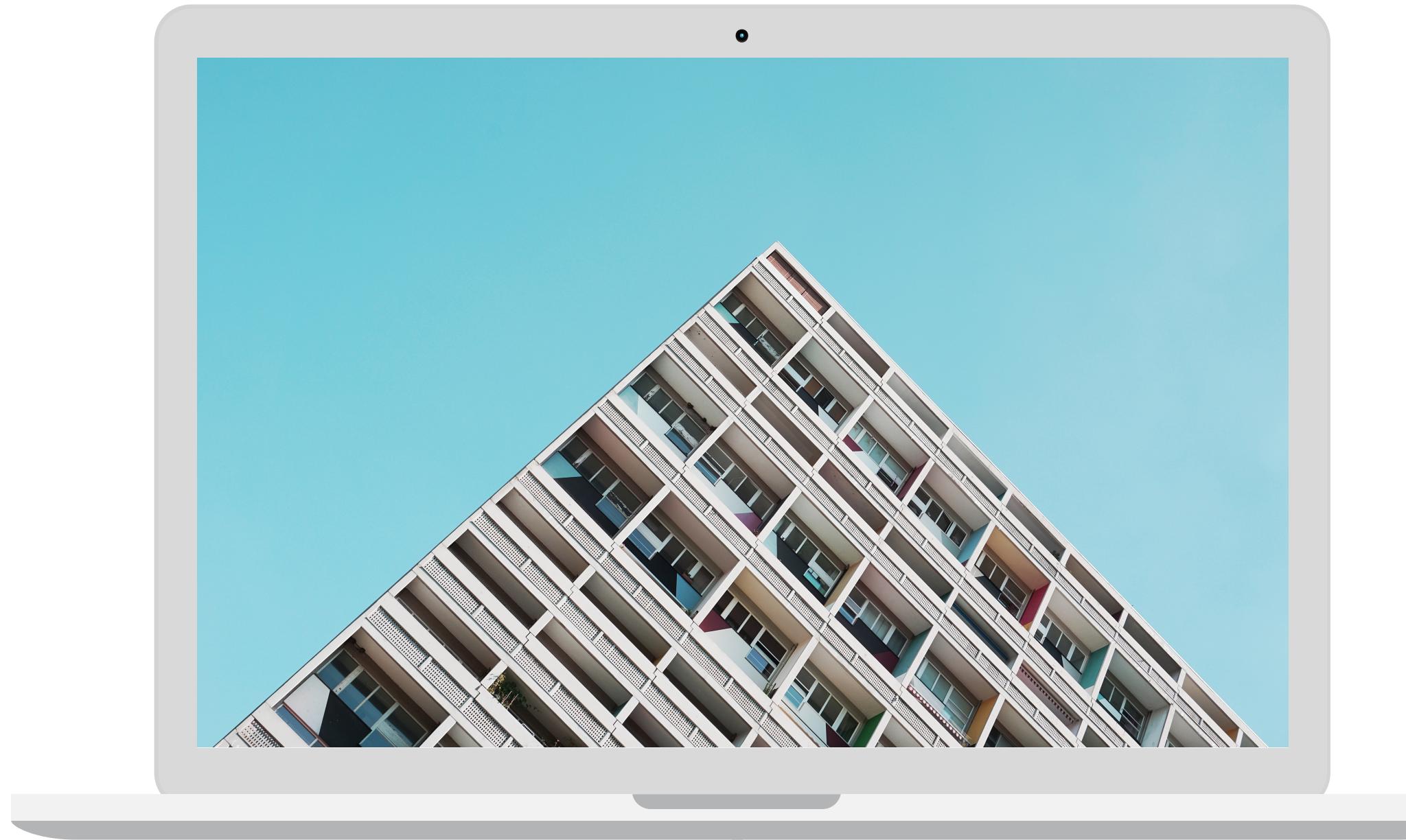
StatCounter Global Stats
Operating System Market Share Worldwide from Feb 2017 - Feb 2018



StatCounter Global Stats
Operating System Market Share Asia from Feb 2017 - Feb 2018



History



麦金塔（也叫Macintosh或Mac）是最早使用图形用户界面（GUI），鼠标和图标的个人计算机。

它第一次出现是在1984年1月22日。

它的灵感来自上世纪70年的Xerox Parc实验室。

Mac OS ≠ Linux

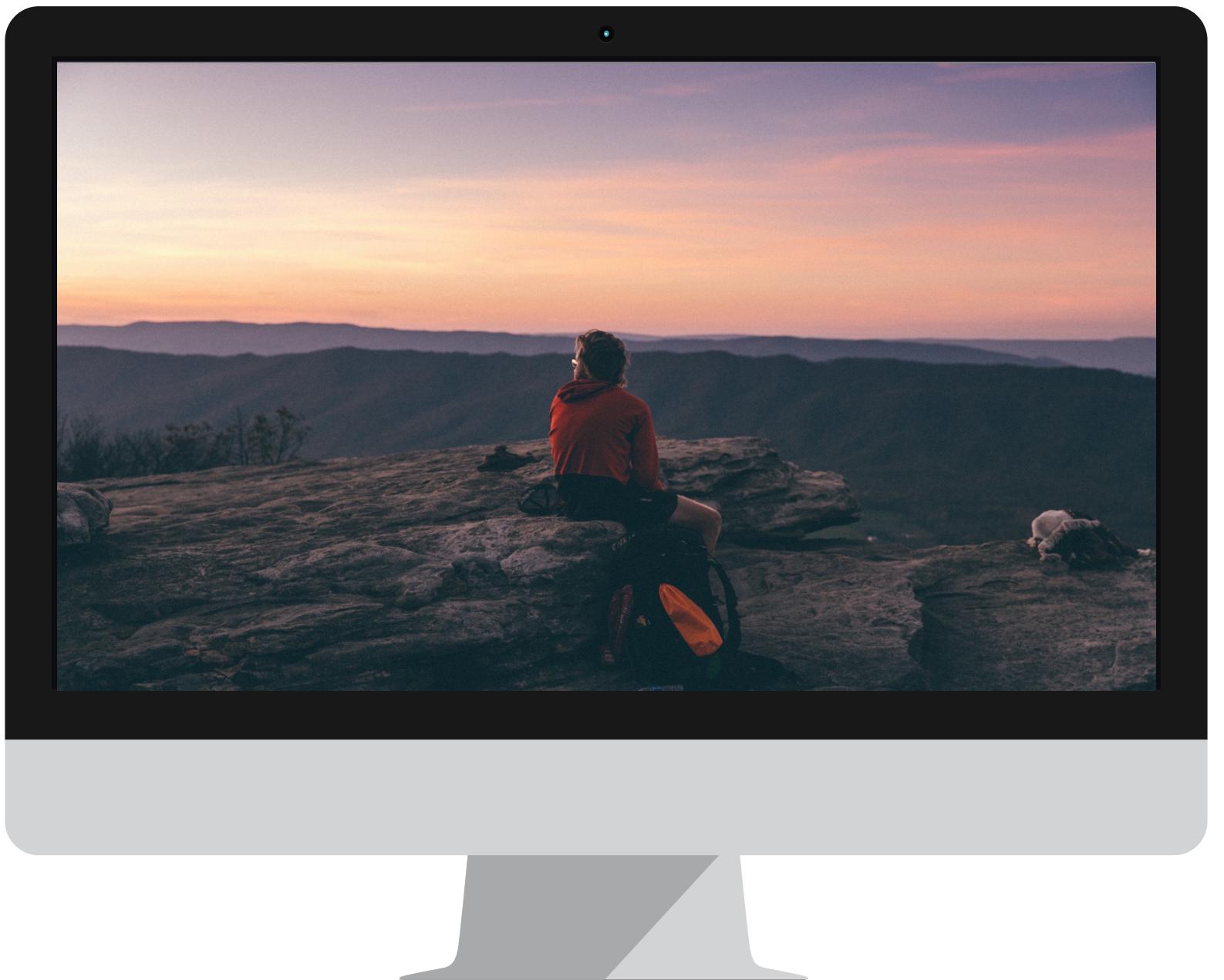
Mac OS = Unix + desktop

Mac OSX 基于 FreeBSD， Mac有Unix授权

为什么用 Mac

- 提供类Unix shell，更接近部署环境
- 速度快，性能佳（从买上就没有关过机）
- 开发者友好，工具全，例如安装IDE, **sh, docker, jdk, python, xcode (c++) , nodejs
- 既能做设计，也能做编码，更能做运维
- 系统兼容性，多系统支持 (windows, linux) ，虚拟机
- 电池，屏幕（视网膜），键盘，track pad
- 漂亮，简单；开发和个用的完美结合

除非，开发.net, mfc等纯微软生态



Terminal vs Shell

Terminal = text input/output environment

physical terminal = console e.g. device file in Unix on behalf of a hardware device and implements a number of commands

terminal emulator Terminal/Iterm2

Nowadays terminals are considered any input/output devices. A mouse, keyboard, screen, camera, they are all terminals.

Shell = command line interpreter

Bash, zsh, sh...

Shell is an OS thing, tell what app/function you want to run.

Terminal vs Shell

Diff between shell and terminal:

1. Input: the terminal converts keys into control sequences (e.g. Left → \e[D). The shell converts control sequences into commands (e.g. \e[D → backward-char).
2. Output: the shell emits instructions such as “display foo”, “switch the foreground color to green”, “move the cursor to the next line”, etc. The terminal acts on these instructions.
3. The shell never sees the output of the commands it runs (unless redirected). Output history (scrollback) is purely a terminal concept.
4. Inter-application copy-paste is provided by the terminal (usually with the mouse or key sequences such as Ctrl+Shift+V or Shift+Insert). The shell may have its own internal copy-paste mechanism as well (e.g. Meta+W and Ctrl+Y).
5. Job control (launching programs in the background and managing them) is mostly performed by the shell. However, it's the terminal that handles key combinations like Ctrl+C to kill the foreground job and Ctrl+Z to suspend it.

Bash vs Zsh

Zsh, or Z shell, was first released by Paul Falstad back in 1990 when he was still a student at Princeton University. It's a name originated from professor [Zhong Shao](#). Much like Bash, Z shell can basically be seen as an extended version of the Bourne shell, and does contain a lot of the same features as Bash.

Bash shell (also known as the "Bourne-again shell") was also released around the same period as the Z shell (in 1989) and Brian Fox is regarded as the creator behind it. It was initially written as a replacement for the Bourne shell. For many years it has shipped as the default shell for GNU, most Linux distributions, and Mac OS X (version 10.3+).

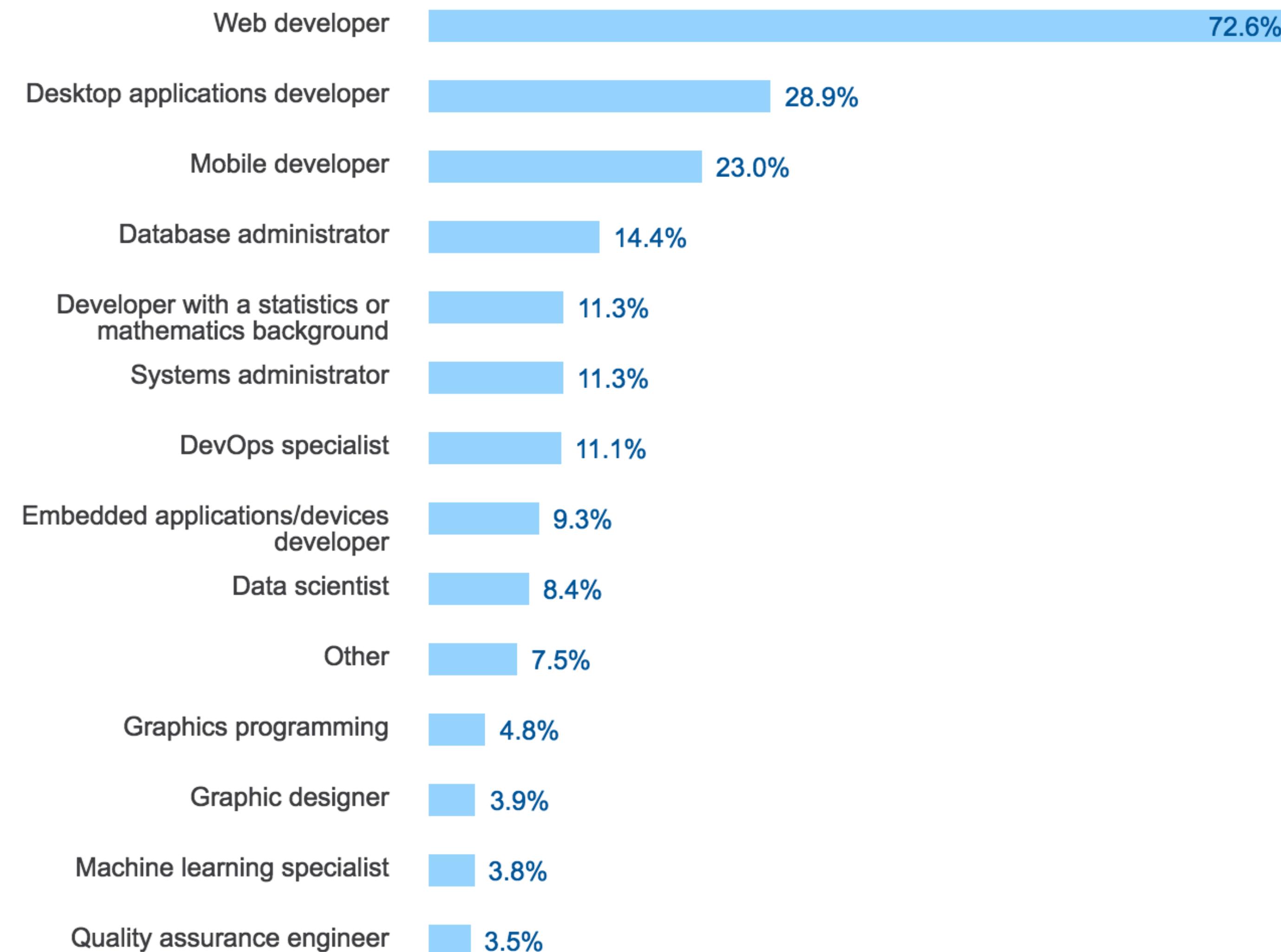


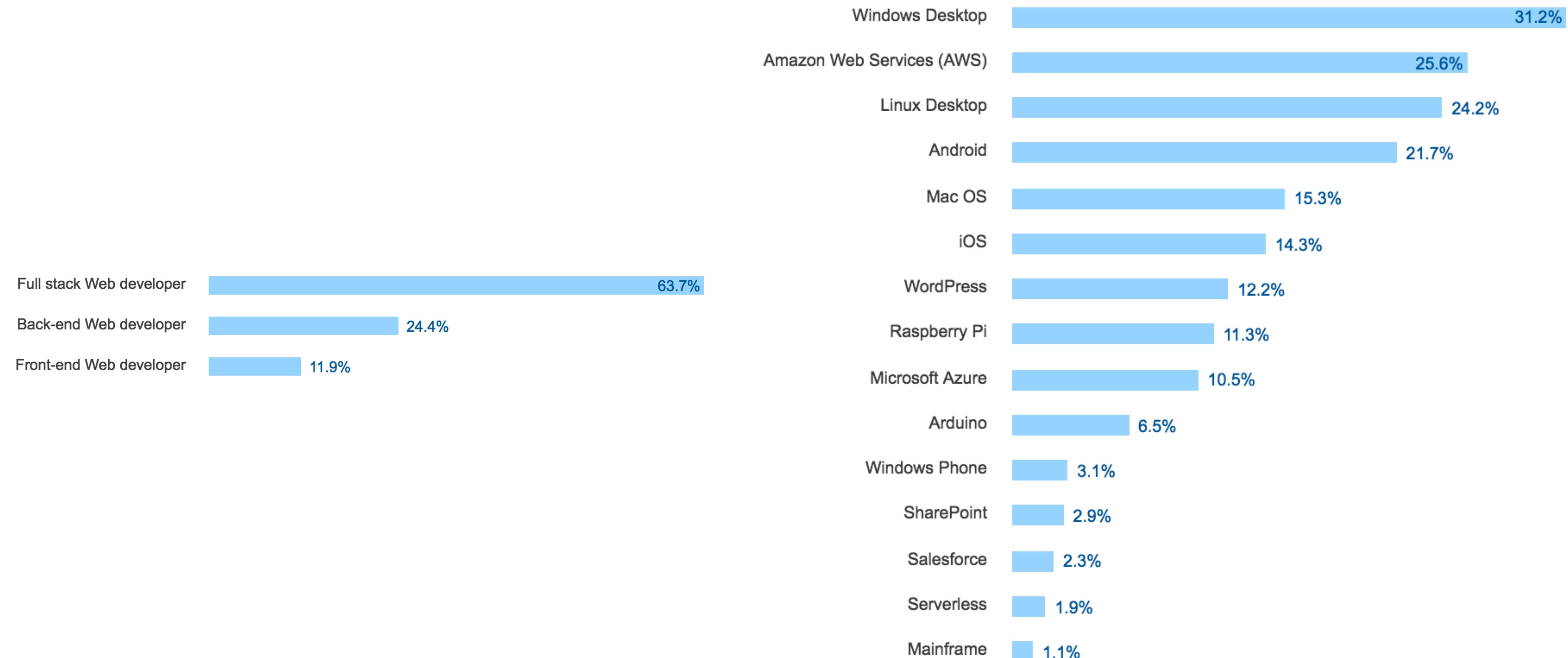
软件开发者 职业调查

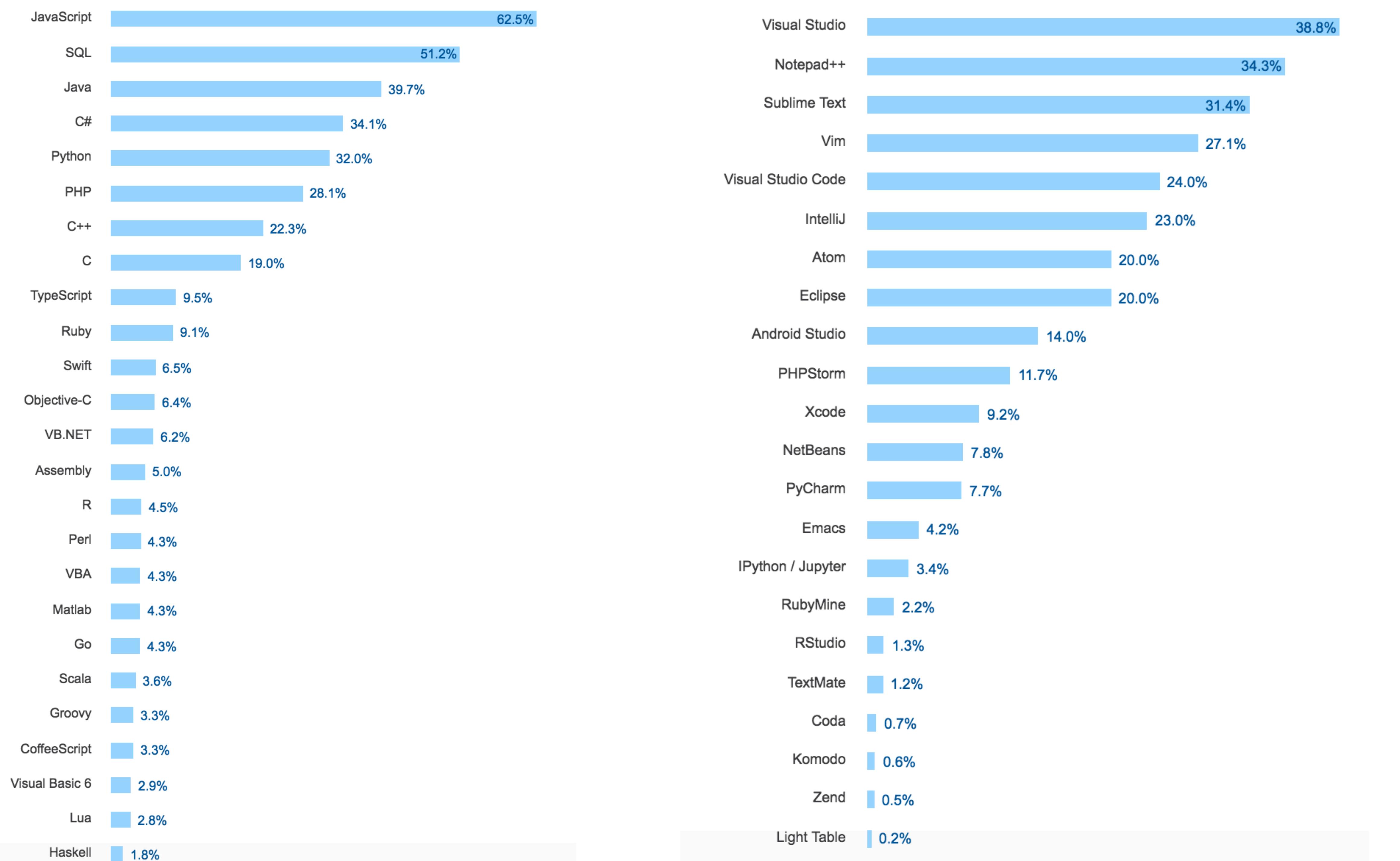
2

<https://insights.stackoverflow.com/survey/2017>

Developer Type









3

开发环境 搭建

做一个专业，酷炫的工程师

STEP 1

Java

下载JDK10 macos版本 (dmg)

<https://www.oracle.com/technetwork/java/javase/downloads/index.html>

安装JDK10, mac下无需环境变量配置

打开终端 `java --version`

STEP 2

IntelliJ Idea

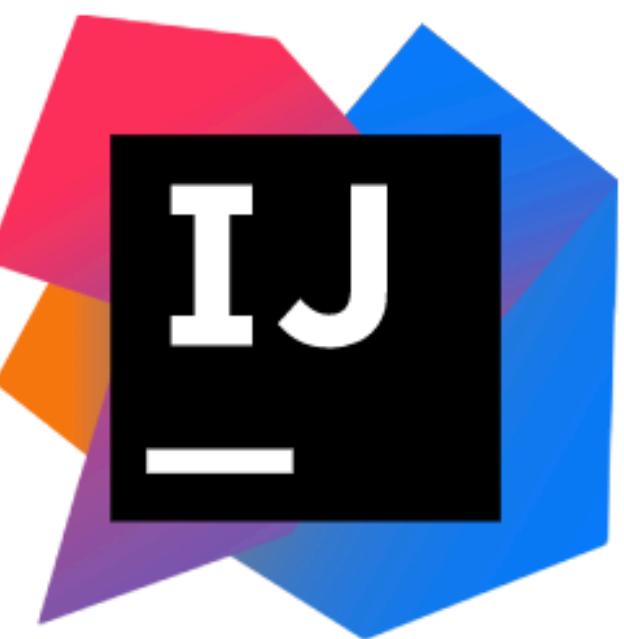
安装Idea IDE

<http://www.jetbrains.com/idea/download/#section=mac>

<http://idea.lanyus.com/>

最优秀的IDE值的购买^_^ 请大家购买正版，这里仅供学习用途

打开熟悉世界上最棒的IDE



Download IntelliJ IDEA

[Windows](#)[macOS](#)[Linux](#)

Ultimate

For web and enterprise development

[DOWNLOAD](#)

Free trial

Community

For JVM and Android development

[DOWNLOAD](#)

Free, open-source

Version: 2017.3.5

Build: 173.4674.33

Released: March 13, 2018

[Release notes](#)

[System requirements](#)

[Installation Instructions](#)

[Previous versions](#)

License

Commercial

Open-source, Apache 2.0 [?](#)

Java, Kotlin, Groovy,
Scala



Android [?](#)



Maven, Gradle, SBT



Git, SVN, Mercurial, CVS



Detecting Duplicates [?](#)



Perforce, TFS



JavaScript, TypeScript [?](#)



Java EE, Spring, GWT,
Vaadin, Play, Grails,
Other Frameworks [?](#)



Database Tools, SQL



STEP 2

1. 打开terminal
 2. nano /etc/hosts
 3. 添加host
0.0.0.0 account.jetbrains.com
 4. 打开IntelliJ Idea, 它会提示注册, 然后选择Activation Code, 粘贴如下注册码

EB101IWSWD-
eyJsaWNlbnNISWQiOjFQjEwMUIXU1dEliwbGljZW5zZWVOYw1IljoibGFuIHI1liwiYXNzaWduZWVOYw1IljoiliwiYXNzaWduZWVFbWFpbCl6lilsImxpY2Vuc2VSZXN0cmljdGlvbi6lkZvcIBZHvJYXRpb25hbCB1c2Ugb25seSlsImNoZWNrQ29uY3VycmVudFVzZS6ZmFsc2UsInByb2R1Y3RzljpbeYjb2RlljoisUkiLCJwYWIkVXBuby6ljlwMTgtMTAtMTQifSx7ImNvZGUoijSuzaICJwYWIkVXBuby6ljlwMTgtMTAtMTQifSx7ImNvZGUoijXUyIsInBhaWRVcFRvljoiMjAxOC0xMC0xNCJ9LHSiY29kZSI6lJEliwiGfpZFVwVG8iCilyMDE4LTEwLTE0In0seyJjb2RlljoUkMiLCJwYWIkVXBuby6ljlwMTgtMTAtMTQifSx7ImNvZGUoijEQylsInBhaWRVcFRvljoiMjAxOC0xMC0xNCJ9LHSiY29kZSI6lkRCliwiGfpZFVwVG8iOilyMDE4LTEwLTE0In0seyJjb2RlljoUk0iLCJwYWIkVXBuby6ljlwMTgtMTAtMTQifSx7ImNvZGUoijETSIsInBhaWRVcFRvljoiMjAxOC0xMC0xNCJ9LHSiY29kZSI6lkFDliwiGfpZFVwVG8iOilyMDE4LTEwLTE0In0seyJjb2RlljoUFMiLCJwYWIkVXBuby6ljlwMTgtMTAtMTQifSx7ImNvZGUoijDTCIsInBhaWRVcFRvljoiMjAxOC0xMC0xNCJ9LHSiY29kZSI6lBDliwiGfpZFVwVG8iOilyMDE4LTEwLTE0In0seyJjb2RlljoUINVliwiGfpZFVwVG8iOilyMDE4LTEwLTE0In1dLCJoYXNoljoiNjk0NDAzMi8wliwiZ3jhY2VQZXJpb2REYXljljowLCJhdXRvUHJvbG9uZ2F0ZWQiOmZhbHNILCJpc0F1dG9Qcm9sb25nYXRIZCI6ZmFsc2V9-Gbb7jeR8JWOVxdUFaXfJzVU/O7c7xHQyaidCnhYLp7v32zdeXiHUU7vlrrm5y9ZX0lmQk3pICCsW+phrC9gGAPd6WDKhkal10qVNgoIarCR2tQ3u8jfv1t2JAvWrMOJfFG9kKsJuw1P4TozZ/E7Qvj1cupf/rldhoOmaXMyABxNN1af1RV3bVhe4FFZe0p7xIJF/ctZkFK62HYmh8V3AyhUNTzrvK2k+t/tIDJz2LnW7nYttBLHld8LabPIEEjpTHswhzlthzhVqALlgvF0uNblJ5Uwpb7NqR4U/2ob0Z+FICRpFUIAHEAw+RLGwkCge5DyZKfx+RoRJ/ln4q/UpA==

STEP 3

Iterm2 + zsh + oh my zsh

安装Iterm2

<http://www.iterm2.com/>

安装zsh + oh my zsh

<https://www.jianshu.com/p/95f68e035f33>

<https://www.jianshu.com/p/a3c956a24b58>

<https://github.com/robbyrussell/oh-my-zsh/wiki/Themes>

STEP 4 课后作业

Chrome

<https://www.google.com/chrome/>

浏览网页 + Debug工具 + 扩展

Dream Afar New Tab

homebrew

<https://brew.sh/>

/usr/bin/ruby -e "\$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"

brew doctor



Thanks!

Any questions?