



# Python开发辅助软件 提升工作效率

(Python: developing assistance software  
to improve work productivity)

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# ■ 内容

(Contents)

- AoikHotkey 热键程序
- AoikTraceCall 调用追踪
- All-lines Commenting 全行注释

# ■ 第一部分

(Part 1)

AoikHotkey

热键程序

## ■ AoikHotkey 热键程序 – 特点 (Features)

- 跨平台：Windows, Linux (X11), MacOS  
(Cross-platform: Windows, Linux (X11), MacOS)
- 支持多组配置，通过热键切换  
(Can switch between multiple configs using hotkeys)
- 调用 Python 函数  
(Call Python functions)

# ■ AoikHotkey 热键程序 – 效果展示 (Demo)

- 打开文件、网页、程序  
(Open files, webpages, programs)
- 多组配置，热键切换  
(Switch between multiple configs using hotkeys)

# ■ AoikHotkey 热键程序 – 效果展示 (Demo)

- 替换文本：`12-> 127.0.0.1  
(Substitute text)
- 保存URL到文件  
(Save URL to file)

## ■ 第二部分 (Part 2)

AoikTraceCall

调用追踪

# ■ AoikTraceCall 调用追踪 – 效果展示 (Demo)

- TCPServer



# ■ AoikTraceCall 调用追踪 – 实现思路

(Implementation)

- 正则选定范围： `socketserver[.]*`  
(Use regular expressions to select functions)
- 拦截模块加载，替换选定函数  
(Intercept module loading, replace selected functions)
- 被调用时打印调用参数和返回结果  
(Print function arguments and return value when called)

## ■ AoikTraceCall 调用追踪 – 特点 (Features)

- 对调用编号、缩进子调用、区别各线程  
(Label calls, indent sub-calls, distinguish between threads)
- 展现定义函数的类，而非继承函数的类  
(Show a called function's defining class, not inheriting class)
- 标注重点函数  
(Highlight important functions)

# ■ AoikTraceCall 调用追踪 – 效果展示 (Demo)

- Tornado

## ■ AoikTraceCall 调用追踪 – 特点 (Features)

- 赋值也能追踪  
(Can trace assignments as well)
- 定制展现效果  
(Can customize presentation)
- 对代码无侵入  
(Non-intrusive to existing code)

# ■ AoikTraceCall 调用追踪 – 应用场景

(Use cases)

- 代码研究  
(Code study)
- 非侵入式流程测试  
(Non-intrusive procedural testing)

## ■ 第三部分 (Part 3)

# All-lines Commenting 全行注释

## ■ All-lines Commenting 全行注释

- 每行都要写注释  
(Write comments for every line)
- 推崇的注释方式  
(Recommended way of writing comments)

## ■ All-lines Commenting 全行注释 – 缺点 (Cons)

- 耗时：多用 10% - 20%  
(Time-consuming: 10% - 20% more)
- 无趣：你懂的  
(Boring: you got it)



## ■ All-lines Commenting 全行注释 – 优点 (Pros)

- 增进写码思考  
(Improve thinking when coding )
- 减少读码思考  
(Reduce thinking when reading)

# ■ 多谢观赏 (Thank you)

- Github

