



r-kan / semile

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profile what you care, monitor how it goes <http://r-kan.github.io/semile>

29 commits

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Branch: master

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r-kan committed on GitHub Update README.md

Latest commit b6f0f6d 9 hours ago

| | | |
|----------------------|--------------------|--------------|
| profiler/cpp_library | Update README.txt | 4 months ago |
| viewer | Update README.txt | 4 months ago |
| .gitignore | update description | 5 months ago |
| LICENSE | upload license | a day ago |
| README.md | Update README.md | 9 hours ago |

README.md

semile :)

~We semile bcoz it helps overcome the flaw/bottleneck of our programs~ <http://r-kan.github.io/semile/>

What is semile?

A profiling framework provides the ability to monitor programs, in general of any programming language, by the following two pieces of information:

1. consumed time per execution
2. 'footprint' message per execution

Difference with other profiling tools?

- *Profile 'semantically'* Each call to the same function plays its individual role within profiling. Normal 'syntactic' profilers are good in other aspects but fail to achieve this.
- *Lightweight* The profiled program gives little run-time overhead. The viewer is compact that targets to provide only necessary information without fancy visual effect. It gives profile result in widespread PNG and XML format.
- *Message-embedded profile* Custom information can be left within profile elements. It then also provides the ability to help reveal internal state/decision inside the program.

P.S. The user-provided semantic specifications (via the profile library) is necessary for semantic profile

System Requirement

python3 (viewer)
g++ (cpp profile library)

Dependent Library

[dot \(graphviz\)](#)

Use *semile*

[profiler/cpp_library/src/README.txt](#) => check to see how to use cpp profile library

[profiler/cpp_library/example](#) => check to see an example using profile library

[viewer/README.txt](#) => check to see how to use semile viewer

Contact

Please contact [Rodney Kan](#) by its_right@msn.com for any question/request/bug without hesitation.

Find screenshots, tutorials, and more information at <http://r-kan.github.io/semile/>!

