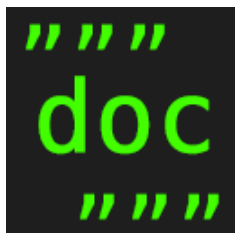
New to Visual Studio Code? [Get it now.](#)

# autoDocstring - Python Docstring Generator

Nils Werner | 6,286,055 installs | ★★★★★ (59) | Free

Generates python docstrings automatically

## Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

`ext install njpwerner.autodocstring`

Copy

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## autoDocstring: VSCode Python Docstring Generator

Visual Studio Code extension to quickly generate docstrings for python functions.

## Features

- Quickly generate a docstring snippet that can be tabbed through.
- Choose between several different types of docstring formats.
- Infers parameter types through pep484 type hints, default values, and var names.
- Support for args, kwargs, decorators, errors, and parameter types

## Docstring Formats

To turn off type generation in docstrings use the `-notypes` template of the desired format. The docBlockr format is a typed version of PEP0257.

- [google](#)
- [sphinx](#)
- [numpy](#)

## Categories

Programming Languages

Snippets

Formatters

## Tags

autodocstring

docblockr

docstring

documentation

generator

google

keybindings

numpy

pydocstring

python

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## Works with

Universal

## Resources

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## Project Details

[NilsJPWerner/autoDocstring](#)

Last Commit: 2 years ago

9 Pull Requests

78 Open Issues

## More Info

- [docBlockr](#)
- [one-line-sphinx](#)
- [pep257](#)

Version	0.6.1
Released on	18.11.2017, 14:46:50
Last updated	15.02.2022, 23:02:27
Publisher	Nils Werner
Unique Identifier	njpwerner.autodocstring
Report	<a href="#">Report Abuse</a>



## Usage

Cursor must be on the line directly below the definition to generate full auto-populated docstring

- Press enter after opening docstring with triple quotes (configurable `"""` or `'''`)
- Keyboard shortcut: `ctrl+shift+2` or `cmd+shift+2` for mac
  - Can be changed in Preferences -> Keyboard Shortcuts -> `extension.generateDocstring`
- Command: Generate Docstring
- Right click menu: Generate Docstring

## Extension Settings

This extension contributes the following settings:

- `autoDocstring.docstringFormat`: Switch between different docstring formats
- `autoDocstring.customTemplatePath`: Path to a custom docstring template (absolute or relative to the project root)
- `autoDocstring.generateDocstringOnEnter`: Generate the docstring on pressing enter after opening docstring
- `autoDocstring.includeExtendedSummary`: Include extended summary section in docstring
- `autoDocstring.includeName`: Include function name at the start of docstring
- `autoDocstring.startOnNewLine`: New line before summary placeholder
- `autoDocstring.guessTypes`: Infer types from type hints, default values and variable names
- `autoDocstring.quoteStyle`: The style of quotes for docstrings

## Custom Docstring Templates

This extension now supports custom templates. The extension uses the [mustache.js](#) templating engine. To use a custom template create a `.mustache` file and specify its path using the `customTemplatePath` configuration. View the included google docstring [template](#) for a usage example. The following tags are available for use in custom templates.

## Variables

```

{{name}}                - name of the function
{{summaryPlaceholder}}  - _summary_ placeholder
{{extendedSummaryPlaceholder}} - [extended_summary] place

```

## Sections

```

{{#args}}                - iterate over function ar
    {{var}}                - variable name
    {{typePlaceholder}}    - _type_ or guessed type
    {{descriptionPlaceholder}} - _description_ placeholde
{{/args}}

```

```

{{#kwargs}}                - iterate over function kw
    {{var}}                - variable name
    {{typePlaceholder}}    - _type_ or guessed type p
    {{&default}}            - default value (& unescap
    {{descriptionPlaceholder}} - _description_ placeholde
{{/kwargs}}

```

```

{{#exceptions}}            - iterate over exceptions
    {{type}}                - exception type
    {{descriptionPlaceholder}} - _description_ placeholde
{{/exceptions}}

```

```

{{#yields}}                - iterate over yields
    {{typePlaceholder}}    - _type_ placeholder
    {{descriptionPlaceholder}} - _description_ placeholde
{{/yields}}

```

```

{{#returns}}                - iterate over returns
    {{typePlaceholder}}    - _type_ placeholder
    {{descriptionPlaceholder}} - _description_ placeholde
{{/returns}}

```

## Additional Sections

```

{{#argsExist}}            - display contents if args exist
{{/argsExist}}

```

```

{{#kwargsExist}}            - display contents if kwargs exist
{{/kwargsExist}}

```

```

{{#parametersExist}}        - display contents if args or kwar
{{/parametersExist}}

```

```

{{#exceptionsExist}}        - display contents if exceptions e
{{/exceptionsExist}}

```

```

{{#yieldsExist}}            - display contents if returns exis
{{/yieldsExist}}

```

```

{{#returnsExist}}            - display contents if returns exis
{{/returnsExist}}

```

```

{{#placeholder}}            - makes contents a placeholder
{{/placeholder}}

```

## Changelog

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Check the [CHANGELOG.md](#) for any version changes.

## Reporting issues

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Report any issues on the github [issues](#) page. Follow the template and add as much information as possible.

## Contributing

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The source code for this extension is hosted on [GitHub](#).

Contributions, pull requests, suggestions, and bug reports are greatly appreciated.

- Post any issues and suggestions to the github [issues page](#). Add the feature request tag to any feature requests or suggestions.
- To contribute, fork the project and then create a pull request back to master. Please update the README if you make any noticeable feature changes.
- There is no official contribution guide or code of conduct yet, but please follow the standard open source norms and be respectful in any comments you make.

## License

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