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Pratt parser

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In [computer science](#), a **Pratt parser** is an improved [recursive descent parser](#) that associates semantics with tokens instead of grammar rules.^[1] It was first described by [Vaughan Pratt](#) in the 1973 paper "Top down operator precedence",^[2] and was treated in much more depth in a Masters Thesis under his supervision.^[3] Pratt designed the parser originally to implement the [CGOL](#) programming language. [Douglas Crockford](#) used the technique to build [JSLint](#).

Notes [\[edit\]](#)

- ↑ [Simple Top-Down Parsing in Python](#)
- ↑ Pratt, Vaughan. "Top down operator precedence ." *Proceedings of the 1st Annual ACM SIGACT-SIGPLAN Symposium on Principles of Programming Languages* (1973).
- ↑ Van De Vanter, Michael L. "A Formalization and Correctness Proof of the CGOL Language System . (Master's Thesis). MIT Laboratory for Computer Science Technical Report MIT-LCS-TR-147 (Cambridge, MA). 1975.

See also [\[edit\]](#)

- [Operator Precedence Parser](#)

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- [Pratt Parsers: Expression Parsing Made Easy !\[\]\(fc5de26bc3c421a729ce6cbad0a9ee4e_img.jpg\)](#)



*This [algorithms](#) or [data structures](#)-related article is a *stub*. You can help Wikipedia by [expanding it](#).*

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