

# Ali Afroozeh

🌐 <http://afroozeh.github.io>

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## Education

**MSc** in Computer Science and Engineering, Eindhoven University of University, Eindhoven, The Netherlands, 2012. Graduated with distinction (cum laude).

*Thesis:* GText: A Language Workbench based on GLL and Term Rewriting.

**BSc** in Software Engineering, Amirkabir University of Technology, Tehran, Iran, 2009.

## Work Experience

**Researcher**, CWI, Amsterdam, The Netherlands. **December 20012–present.**

**Software Developer**, ITObit, Tehran, Iran. **March 2009–July 2010.**

## Technical Skills

Expert in Java, proficient in Scala, and familiar with C, Swift, Ruby, and Python

## Publications

- [1] Ali Afroozeh and Anastasia Izmaylova. Iguana: A Practical Data-Dependent Parsing Framework. In *Compiler Construction - 25th International Conference*, CC 2016. ACM, 2016. to appear.
- [2] Anastasia Izmaylova, Ali Afroozeh, and Tijs van der Storm. Practical, General Parser Combinators. In *Proceedings of the 2016 ACM SIGPLAN Workshop on Partial Evaluation and Program Manipulation*, PEPM 2016, pages 1–12. ACM, 2016.
- [3] Ali Afroozeh and Anastasia Izmaylova. Operator Precedence for Data-dependent Grammars. In *Proceedings of the 2016 ACM SIGPLAN Workshop on Partial Evaluation and Program Manipulation*, PEPM 2016, pages 13–24. ACM, 2016.
- [4] Ali Afroozeh and Anastasia Izmaylova. One Parser to Rule Them All. In *Proceedings of the 2015 ACM International Symposium on New Ideas, New Paradigms, and Reflections on Programming & Software*, Onward! 2015, pages 151–170. ACM, 2015.
- [5] Ali Afroozeh and Anastasia Izmaylova. Faster, Practical GLL Parsing. In *Compiler Construction - 24th International Conference*, CC 2015, pages 89–108. Springer, 2015.

- [6] Ali Afroozeh, Mark van den Brand, Adrian Johnstone, Elizabeth Scott, and Jurgen Vinju. Safe Specification of Operator Precedence Rules. In Martin Erwig, RichardF. Paige, and Eric Van Wyk, editors, *Software Language Engineering - 6th International Conference, SLE 2013*, volume 8225 of *Lecture Notes in Computer Science*, pages 137–156. Springer, 2013.
- [7] Ali Afroozeh, Jean-Christophe Bach, Mark van den Brand, Adrian Johnstone, Maarten Manders, Pierre-Etienne Moreau, and Elizabeth Scott. Island Grammar-Based Parsing Using GLL and Tom. In *Software Language Engineering - 5th International Conference, SLE 2012*, pages 224–243. Springer, 2012.

## Talks

A Practical Data-Dependent Parsing Framework. At PEPM'16 (paper presentation), 19 January 2016, St. Petersburg, FL, USA.

Meerkat Parsers: A general parser combinator library for real programming languages. At ScalaDays 2015 Amsterdam (with Anastasia Izmaylova), 9 June 2015, Amsterdam, The Netherlands.

Faster, Practical GLL Parsing. At CC'15 (paper presentation), 18 April 2015, London, UK.

Safe Specification of Operator Precedence Rules. At SLE'13 (paper presentation), 26 October 2013, Indianapolis, IN, USA.

Iguana: an Object-Oriented Lazy Scannerless Parser. At Parsing@SLE'13. 26 October 2013, Indianapolis, IN, USA.

## Languages

Persian: native language

Dutch: Intermediate (level B2)

English: Fluent

German: Intermediate (level B2)

Last updated: February 1, 2016