

Anna Bolotina

CURRICULUM VITÆ

UNIVERSITY OF SALZBURG
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EDUCATION	MSc Student <i>University of Salzburg, Salzburg, Austria</i>	<i>2022–present</i>
	BSc in Computer Science and Information Technologies , June 2018 <i>Southern Federal University, Rostov-on-Don, Russia</i>	<i>2014–2018</i>
BACHELOR'S THESIS	Detecting Recursion Points in Generic Programming in the Haskell Language <i>Supervisor</i> Vitaly Bragilevsky <i>Co-supervisor</i> Artem Pelenitsyn	
RESEARCH INTERESTS	Datatype-generic programming · Functional programming · Haskell · Programming languages design and implementation · Type theory · Formal semantics · Compilers · Design patterns · Domain-specific languages · Dependently typed programming · Formal methods · Verification techniques · Theorem provers · Category theory	
EMPLOYMENT	Junior Researcher <i>University of Salzburg, Salzburg, Austria</i>	<i>2022–present</i>
	Junior Researcher Programming Research Lab , <i>Czech Technical University in Prague, Prague, Czechia</i>	<i>2019–2022</i>
REFEREED PUBLICATIONS	Composable Sequence Macros for Fast Iteration <i>Anna Bolotina, Ryan Culpepper</i> In <i>21st ACM SIGPLAN International Conference on Generative Programming: Concepts and Experiences</i> , Auckland, New Zealand, December 2022	<i>GPCE 2022</i> [DOI]
MANUSCRIPTS (UNPUBLISHED)	Handling Recursion in Generic Programming Using Closed Type Families <i>Anna Bolotina, Artem Pelenitsyn</i>	<i>2018</i> [PDF]
CONFERENCE TALKS	The 19th International Symposium on Trends in Functional Programming Talk “ <i>Handling Recursion in Generic Programming Using Closed Type Families</i> ” Gothenburg, June 2018	<i>TFP 2018</i> [Slides]
SEMINAR TALKS	Programming Languages and Compilers Seminar Talk “ <i>Defining a Generic Zipper Using generics-sop</i> ” (in Russian) Southern Federal U., Rostov-on-Don, May 2017	<i>2017</i> [Slides]
	Programming Languages and Compilers Seminar Talk “ <i>Differentiation and Generic Zippers in Haskell</i> ” (in Russian) Southern Federal U., Rostov-on-Don, November 2016	<i>2016</i> [Slides]

SUMMER
SCHOOLS

**The 2nd International Programming Language Implementation
Summer School**
Bertinoro, Italy, 19–24 May 2019

PLISS 2019

SELECTED
COURSES
(TAKEN AT SFEDU)

- ◇ Development of Optimizing Compilers *Spring 2019*
- ◇ Program Transformation *Fall 2018*
- ◇ Compiler Development *Fall 2017*
- ◇ Functional Programming *Fall 2017*
- ◇ Category Theory *Spring 2017*
- ◇ Software Design Patterns *Spring 2017*
- ◇ Theory of Automata and Formal Languages *Fall 2016*
- ◇ Theory of Computation *Spring 2016*

MOOC

Introduction to Functional Programming, *edX*
Prof. Erik Meijer, TU Delft

January 2016
[\[Certificate\]](#)

COMPUTER
SKILLS

Languages Haskell, Racket, C#, C++, Pascal, Agda, Python, Julia, Lisp
Markup L^AT_EX, Scribble, Markdown, HTML, CSS
Environment Emacs, git, stack, bash
Operating systems GNU/Linux family, Windows family

LANGUAGES

Russian Mother tongue
English Fluent