Academic experience

February 2016 – present	 University of Economics, Prague, Czech Republic Faculty of Informatics and Statistics Department of Mathematics assistant professor research in model theory, Peano arithmetic and nonstandard methods teaching courses of mathematics for economy and mathematics for computer science
February 2016 – present	 Charles University, Prague, Czech Republic Faculty of Mathematics and Physics Departments of Applied Mathematics, Theoretical Computer Science and Mathematical Logic and Didactics of Mathematics external lecturer teaching courses of logic, set theory and nonstandard methods
October 2015 – January 2016	Charles University, Prague, Czech Republic Faculty of Mathematics and Physics Department of Theoretical Computer Science and Mathematical Logic Researcher/Teacher research in model theory, Peano arithmetic and nonstandard methods teaching logic and set theory courses
December 2014 – July 2015	City University of New York, New York City, USA Graduate Center Fulbright Visiting Scholar work in the New York logic group research in models of arithmetics and model theory
January – November 2014	Academy of Sciences of the Czech Republic, Prague, Czech Repub- lic Institute of Mathematics Postdoctoral Researcher ERC advanced grant "Feasibility, logic and randomness in computational complexity" research in models of fragments of arithmetics
October – December 2013	 Charles University, Prague, Czech Republic Faculty of Mathematics and Physics Department of Theoretical Computer Science and Mathematical Logic Researcher/Teacher research in model theory and Peano arithmetic teaching logic and set theory courses

2009 - 2013	Ph.D. – Algebra, number theory and mathematical logic Charles University in Prague Faculty of Mathematics and Physics
	dissertation: Study of arithmetical structures and theories with regard to representative and descriptive analysis advisor: doc. RNDr. Josef Mlček, Csc.
2007 – 2009	Mgr. (Master) – Mathematical structures Charles University in Prague Faculty of Mathematics and Physics thesis: Models of arithmetical and rich theories
2004 - 2007	Bc. (Bachelor) – General mathematics Charles University in Prague Faculty of Mathematics and Physics thesis: Weak arithmetical theories and their models

Other notable mathematical training

2014	Workshop (summer school): Model Theory in Geometry and Arithmetic Berkeley, CA, USA
2012	Summer school: Model Theory in Algebra, Analysis and Ari- thmetic Cetraro, Italy
2011	Winter school: Model Theory of Difference Fields and Appli- cations Orsay, France
2010	Graduate Summer School in Logic Singapore

Awards and prizes

2007	Bernard Bolzano Prize of the Charles University in Prague for an extraordinary research work made by students for the bachelor's thesis Weak arithmetical theories and their models
2007	SVOČ , shared 1st place Czech and Slovak competition of student research works in mathematics for the work The Fermat's Last Theorem in arithmetics with axiomatically defined exponentiation
2013	Succesful grant project chosen as one of the projects to be presented at the celebrations of 20 years of the Grant Agency of the Charles University project: Representative and descriptive analysis of structures and theories
2016	The best exercise class according to the official students' feedback at the Faculty of Mathematics and Physics, Charles University exercise class: Propositional and predicate logic

Teaching experience

University level:	
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2016	Nonstandard methods in Ramsey-type combinatorics Charles University in Prague <i>lecture</i>
2010 - 2017	Logic and set theory Charles University in Prague <i>lecture</i>
2016 – present	Mathematics for economy University of Economics lecture and exercise class
2017 – present	Mathematical foundations of computer science University of Economics <i>exercise class</i>
2016 – present	Mathematics for computer science University of Economics <i>exercise class</i>
2009 – present	Propositional and predicate logic Charles University in Prague <i>exercise class</i>
2012 – present	Non-standard seminar Charles University in Prague <i>co-organizer</i>
2015	Definability in linear fragments of Peano arithmetic City University of New York <i>lecture series</i>
Other:	
2007 – present	private teaching of mathematics all levels (elementary school, high school, university)
2009 – present	preparatory courses for <i>Scio NSZ</i> (national comparative exams) teaching of mathematics and "analytical thinking"
2006 - 2009	Slovenská elementary school teaching of mathematics and computer labs
Other work wit	h students
2016	"topic supervisor" at Spring School of Combinatorics supervising a small group of graduate and undergraduate students who prepare and present a series of lectures on a given topic
2012 - 2015	regular "topic supervisor" at spring and fall Schools of Algebra supervising a small group of graduate and undergraduate students who prepare and present a series of lectures on a given topic
2012	unofficial mathematical logic seminar for undergraduate students interested in mathematical logic and non- standard methods

Research interests

Arithmetical structures and theories (with J. Mlček, P. Pudlák and J. Glivická)

- local properties of models of Peano arithmetic
- model theory of linear arithmetics and discretely ordered modules
- model constructions for weak arithmetics

Nonstandard methods (with J. Mlček)

- nonstandard methods in Ramsey combinatorics
- general theory of nonstandard methods

Weak exponential arithmetics (with V. Kala)

• consistency of number-theoretical problems in weak exponential arithmetics

Non-Euclidean rings (with J. Šaroch)

• quasi-Euclidean and k-stage Euclidean rings

Model theory (with J. Mlček)

• model theory of fragments of Peano arithmetic

List of publications

- Petr Glivický and Pavel Pudlák, Wild models of linear arithmetics, Mathematical Logic Quarterly 63 (2017), no. 6, 501–508, https://arxiv.org/abs/1602.03083
- (2) Petr Glivický and Vítězslav Kala, Fermat's Last Theorem and Catalan's conjecture in weak exponential arithmetics, Mathematical Logic Quarterly 63 (2017), no. 3–4, 162–174, https://arxiv.org/abs/1602.03580
- (3) Petr Glivický and Jan Šaroch, Quasi-Euclidean subrings of $\mathbb{Q}[x]$, Communications in Algebra 41 (2013), no. 11, 4267–4277, http://arxiv.org/abs/1410.6746
- (4) Petr Glivický, A note on the problem of prisoners and hats, to appear in 17th Conference on Applied Mathematics, APLIMAT 2018 – Proceedings (2018), https://arxiv.org/abs/1801.01184
- (5) Jana Glivická and Petr Glivický, Shepherdson's theorems for fragments of open induction, 16th Conference on Applied Mathematics, APLIMAT 2017 – Proceedings (2017), 583–589, https://arxiv.org/abs/1701.02001

Grants

2014 - 2015	Fulbright-Masaryk Award project: A local approach to the study of arithmetical structures and the- ories realized at: City University of New York, New York, NY, USA
2010 - 2012	GA UK (Grant agency of the Charles University) grant project: Representative and descriptive analysis of structures and theories
Invited lectures	
July 7th, 2015	Linear fragments of Peano arithmetic JAF 2015

City University of New York, New York City, USA

Language qualification

Czech:	••••	(native)
English:	$\bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \circ$	(fluent)
German:	$\bullet \bullet \bullet \bullet \bullet \bullet \circ \circ \circ \circ$	(passively)

Other achievements

Programming 2017	Google scholarship: Android development course at udacity.com
2013	BerkeleyX course: Software as a service (CS169.1x) certified succesful completion
Sport	
2017	Winner of the Vaše liga table tennis amateur league 1st place in the season 2016/17 in the Prague league
2016	Ascent of Stok Kangri (6153m) the highest peak of the Stok Range, Indian Himalayas
2006	Champion of the Charles University in table tennis winner of the university-wide Rector's Sports Day tournament

Personal interests

sport

- rock and mountain climbing
- hiking
- \bullet badminton
- running
- table tennis

programing

• web applications

wikipedist

• mainly mathematical articles on the Czech Wikipedia