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RESEARCH INTERESTS	Language interoperability; gradual typing; language semantics and design	
CURRENT POSITION	◇ Northeastern University (Boston, MA, USA) PhD Candidate	Aug. 2014 – Present
EDUCATION	Northeastern University , Boston, MA PhD in Computer Science, <i>Expected April, 2020</i> Thesis: <i>A Semantic Foundation for Gradual Typing</i> Advisor: Amal Ahmed Committee: Matthias Felleisen, Ronald Garcia, Daniel R. Licata, Peter Thiemann, Mitchell Wand	2012 – 2018
	Northwestern University , Evanston, IL MS in Computer Science, <i>June 2014</i> BA in Computer Science and Mathematics, <i>June 2013</i>	2009 – 2014
SERVICE	Program Co-chair Eighth Workshop on Mathematically Structured Functional Programming (MSFP 2020)	April 2020
	Panelist Programming Languages Mentoring Workshop at POPL 2019 Panel: Grad School and Beyond	January 2019
	New England Programming Languages and Systems Symposium Co-chair October 2016 Selection Committee May 2016, June 2017, October 2016, August 2018	
	Journal Reviewer for: ACM Transactions on Programming Languages and Systems (TOPLAS), Journal of Functional Programming (JFP), Logical Methods in Computer Science (LMCS),)	
	Conference Reviewer for ACM SIGPLAN Symposium on Principles of Programming Languages (POPL), ACM&IEEE Symposium on Logic in Computer Science (LICS), ACM SIGPLAN International Conference on Functional Programming (ICFP), International Conference on Foundations of Software Science and Computation Structures (FoSSaCS)	
AWARDS	POPL Student Research Competition, Third Place Northeastern University Fellowship	2017 2014 – Present
PUBLICATIONS (JOURNAL)	How to evaluate the performance of gradual type systems Ben Greenman, Asumu Takikawa, Max S. New, Daniel Feltey, Robert Bruce Findler, Jan Vitek, Matthias Felleisen <i>Journal of Functional Programming</i>	JFP Vol 29, 2019
	Fair Enumeration Combinators Max S. New, Burke Fetscher, Robert Bruce Findler, Jay McCarthy <i>Journal of Functional Programming</i>	JFP Vol 27, 2017

PUBLICATIONS (CONFERENCES)	Graduality and Parametricity: Together Again for the First Time	<i>POPL 2020</i>
	Max S. New, Dustin Jamner, Amal Ahmed <i>ACM SIGPLAN Symposium on Principles of Programming Languages</i>	
	Gradual Type Theory	<i>POPL 2019</i>
	Max S. New, Daniel R. Licata, Amal Ahmed <i>ACM SIGPLAN Symposium on Principles of Programming Languages</i>	
	Graduality from Embedding-projection Pairs	<i>ICFP 2018</i>
	Max S. New, Amal Ahmed <i>ACM SIGPLAN International Conference on Functional Programming</i>	
	Call-by-name Gradual Type Theory	<i>FSCD 2018</i>
	Max S. New, Daniel R. Licata <i>International Conference on Formal Structures for Computation and Deduction</i>	
	FabULous Interoperability for ML and a Linear Language	<i>FoSSaCS 2018</i>
	Gabriel Scherer, Max S. New, Nick Rioux and Amal Ahmed <i>International Conference on Foundations of Software Science and Computation Structures</i>	
	Fully Abstract Compilation via Universal Embedding	<i>ICFP 2017</i>
	Max S. New, William J. Bowman, and Amal Ahmed <i>ACM SIGPLAN International Conference on Functional Programming</i>	
	Oh Lord, Please Don't Let Contracts be Misunderstood (Functional Pearl)	<i>ICFP 2016</i>
	Christos Dimoulas, Max S. New, Robert Bruce Findler, Matthias Felleisen <i>ACM SIGPLAN International Conference on Functional Programming</i>	
	A Coq Library For Internal Verification of Running-Times	<i>FLOPS 2016</i>
	Jay McCarthy, Burke Fetscher, Max New, Daniel Feltey, Robert Bruce Findler <i>International Symposium on Functional and Logic Programming</i>	
	Is Sound Gradual Typing Dead?	<i>POPL 2016</i>
	Asumu Takikawa, Daniel Feltey, Ben Greenman, Max S. New, Jan Vitek, Matthias Felleisen <i>ACM SIGPLAN Symposium on Principles of Programming Languages</i>	
TEACHING EXPERIENCE	Northeastern University	
	◊ Teaching assistant, <i>Intensive Principles of Programming Languages</i> PhD course on programming languages	<i>Spring 2016</i>
	◊ Teaching Assistant, <i>Fundamentals of Computer Science I</i> Undergraduate introductory programming course	<i>Fall 2015</i>
	Northwestern University	
	◊ Teaching Assistant, <i>Compiler Construction</i> Upper-level undergraduate course on compilers	<i>Spring 2014</i>
	◊ Teaching Assistant, <i>Programming Languages</i> Undergraduate course on programming languages	<i>Winter 2014</i>

TALKS	Type Theoretic Gradual Typing UPenn PL Club	<i>June 2019</i>
	A Type Theoretic Approach to Gradual Typing CMU Principles of Programming Seminar	<i>October 2018</i>
	Semantic Foundations for Gradual Typing Invited Talk, MFPS 2018	<i>June 2018</i>
	Call-by-name Gradual Type Theory Northeastern PL Seminar	<i>April 2018</i>
	Retractions and Blame Northeastern PL Seminar	<i>December 2016</i>
	Abstract Interpretation Northeastern PL Seminar, Jr	<i>February 2016</i>
	The Expression Problem & Inductive Data Types Northeastern PL Seminar, Jr	<i>July 2015</i>
	System F and Parametricity Northeastern PL Seminar, Jr	<i>March 2015</i>
	Intro to Categories Northeastern PL Seminar, Jr	<i>November 2014</i>
	Every Program in Your Redex Model, in Order RacketCon 2013	<i>September 2013</i>