Aaron Weiss

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Research Interests	Type systems; formal methods; compilers; compiler verification; program analysis and verification; program synthesis; programming language design and implementation

Education	**Northeastern University**, *Boston, MA.* Doctor of Philosophy in Computer Science Advisor: *Amal Ahmed*	2017 – Present
	University of Massachusetts, *Amherst, MA.* Bachelor of Science in Computer Science	2014 – 2017

Publications	**Rehearsal: A Configuration Verification Tool for Puppet** Rian Shambaugh, Aaron Weiss, Arjun Guha In *ACM SIGPLAN Conference on Programming Language Design and Implementation*, Santa Barbara, CA June 2016.	PLDI 2016

Work Experience	**Undergraduate Course Assistant**, *University of Massachusetts.* CMPSCI 220 *Programming Methodology* Spring 2016, Fall 2016, Spring 2017	2016 – 2017
	Research Assistant, *University of Massachusetts.* Advisor: *Arjun Guha*	2015 – 2017
	Software Developer, *ProtoIPO, Inc.* Designed user interfaces and experiences for platform and clients. Wrote middleware modules for portal software in C#. Developed systems to allow users to control page and module layout.	2014 – 2015

Volunteer Experience	**Problem Writer**, *sCTF.* Developed problems for an international computer science competition reaching over 3,000 participants.	2015 – 2017
	Co-Founder, *HSCTF.* Founded the first ever computer science capture-the-flag competition run by high schoolers and reached over 2,700 participants.	2014

Skills	Scala • Java • Rust • C • Haskell • OCaml • JavaScript • HTML • CSS • PHP Bootstrap • Git • Linux • macOS • PostgreSQL • LaTeX • Puppet • SMTLIB2

Awards	Outstanding Undergraduate Course Assistant	2017
	NSF Graduate Research Fellowship	2017 – 2022
	PLDI '16 Distinguished Artifact Award	2016
	PLMW at ICFP 2015 Travel Scholarship	2015
	University of Massachusetts Chancellor's Scholarship	2014 – 2017