Aaron Weiss

Curriculum Vitae

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Research Interests	Type systems; formal methods; program analysis and verification; program synthesis; programming language design	
Education	**University of Massachusetts**, Amherst, MA Bachelor of Science in Computer Science, Dean's List (*all semesters*) GPA: 3.93 / 4.00	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
Academic Experience	**Teaching Assistant**, *University of Massachusetts* CMPSCI 220 *Programming Methodology* Spring 2016, Fall 2016	2016 – Present
	Research Assistant, *University of Massachusetts* Advisor: *Prof. Arjun Guha*	2015 – Present
Industry Experience	**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
Extracurricular Experience	**Problem Writer**, *sCTF* Developed problems for an international computer science competition reaching over 3,000 participants.	2015 – Present
	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	PLDI '16 Distinguished Artifact Award	2016
	Citation for Introduction to Computation	2016
	Citation for Reasoning Under Uncertainty	2015
	Citation for Programming in Data Structures	2015
	PLMW at ICFP 2015 Travel Scholarship	2015
	University of Massachusetts Chancellor's Scholarship	2014 – 2017