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Education	<i>Doctor of Philosophy</i> , University of Iowa, Iowa City, IA Computer Science, Anticipated graduation July, 2014	
	<i>Masters of Science</i> , University of Iowa, Iowa City, IA Computer Science	May 2013
	<i>Bachelor of Science</i> , Millikin University, Decatur, IL Double Major in Computer Science and Applied Mathematics	May 2009
Additional Education	JAIST Spring School: Formal Reasoning: Theory and Application JAIST, Kanazawa, Japan	March 2012
	Oregon Programming Languages Summer School University of Oregon, Eugene, OR.	July 2011
Experience	<i>Teaching Assistant - Informatics Project</i> University of Iowa, Iowa City, IA Graded homework and held weekly office hours.	Spring 2013
	<i>Research Assistant</i> University Iowa, Iowa City, IA. Investigated the applications of duality in constructive logic and type theory.	Fall 2013 - Spring 2013
	<i>Research Assistant</i> University Iowa, Iowa City, IA. On the design and meta-theory of a new dependently typed programming language called Trellys.	Fall 2010 - Fall 2012
	<i>Teaching Assistant - Introduction to Computer Science</i> University of Iowa, Iowa City, IA In charge of two lab sections held once a week. Each section was approximately 30 students in size. Graded several assignments as well as the midterm and final exam. Met with students outside of class and lab to help them better understand class material.	Fall 2009
	<i>Web Developer</i> Grain Journal, Decatur, IL Managed twelve fully dynamic websites and a Postgres database. Each website received approximately 5,000 hits a day. Websites utilized AJAX, PHP, SQL, and XHTML.	June 2007 - September 2009
	<i>Teaching Assistant - Millikin Excel Program</i> Millikin University, Decatur, IL The Excel Program was a week long algebra book camp. Upon completion of the program the student was awarded his/her algebra I and II requirement. Held office hours nightly. Graded all homework assignments and quizzes. Helped students with all in class assignments.	Summer 2009
	<i>Teaching Assistant - Discrete Mathematics</i> Millikin University, Decatur, IL Held office hours twice a week. Graded majority of homework assignments. Held review sessions before each exam. Taught two class periods covering introduction to set theory and elementary counting and probability.	Spring 2009

Tutor - Theory of Computation

Spring 2009

Millikin University, Decatur, IL

Tutored a student who had to complete theory of computation as a self study. Met with the student twice a week. Made up examples and practice problem sets.

Teaching Assistant Volunteer

Spring and Fall 2008

Millikin University, Decatur, IL

Volunteer teaching assistant for four computer science related courses. Taught several class periods, held review sessions, kept office hours twice a week, and tutored students one-on-one.

Research Assistant, with Dr. Rogers

Spring and Summer 2008

Millikin University, Decatur, IL

The project's objective was to research and develop the necessary software to allow computer science students at all levels to use GPS technology for class projects.

Research

Print-Journal Publications

Equational Reasoning about Programs with General Recursion and Call-by-value Semantics. Garrin Kimmell, Aaron Stump, Harley D. Eades III, Peng Fu, Tim Sheard, Stephanie Weirich, Chris Casinghino, Vilhelm Sjöberg, Nathan Collins and Ki Yung Ahn. Special Issue on Advanced Programming Techniques for Construction of Robust, General and Evolutionary Programs. Progress in Informatics, pages 19-46, March 2013, journal version of PLPV12 paper.

Electronic-Journal Publications

Hereditary Substitution for the $\lambda\Delta$ -Calculus. Harley D. Eades III and Aaron Stump. In Ugo de'Liguoro and Alexis Saurin, editors, Proceedings First Workshop on Control Operators and their Semantics, Eindhoven, The Netherlands, June 24-25, 2013, volume 127 of Electronic Proceedings in Theoretical Computer Science, pages 45-65. Open Publishing Association, 2013.

Workshop Publications

Extended Abstract: Reconsidering Intuitionistic Duality. Aaron Stump, Harley Eades III, and Ryan McCleary. Workshop on Control Operators and their Semantics (COS). Affiliated with Rewriting, Deduction, and Programming (RDP). June 2013.

LFSC for SMT Proofs: Work in Progress. Aaron Stump, Andrew Reynolds, Cesare Tinelli, Austin Laugesen, Harley D. Eades III, Corey Oliver and Ruoyu Zhang. Proof Exchange For Theorem Proving (PxTP). 2012.

Irrelevance, heterogeneous equality, and call-by-value dependent type systems. Vilhelm Sjöberg, Chris Casinghino, Ki Yung Ahn, Nathan Collins, Harley D. Eades III, Peng Fu, Garrin Kimmell, Tim Sheard, Aaron Stump, and Stephanie Weirich. In J. Chapman and P. B. Levy, editors, Proceedings Fourth Workshop on Mathematically Structured Functional Programming, Tallinn, Estonia, 25 March 2012, volume 76 of Electronic Proceedings in Theoretical Computer Science, pages 112-162. Open Publishing Association, 2012.

Equational Reasoning about Programs with General Recursion and Call-by-value Semantics. Garrin Kimmell, Aaron Stump, Harley D. Eades III, Peng Fu, Tim Sheard, Stephanie Weirich, Chris Casinghino, Vilhelm Sjöberg, Nathan Collins and Ki Yung Ahn. The Sixth ACM SIGPLAN Workshop Programming Languages meets Program Verification (PLPV), pages 15-26, 2012.

Hereditary Substitution for Stratified System F. Harley D. Eades III and Aaron Stump. International Workshop on Proof-Search in Type Theories (PSTT), 2010. Affiliated with the Federated Logic Conference (FLoC).

Workshop Talks

On the Categorical Structure of Bi-Intuitionistic Logics. Harley D. Eades III. The University of Iowa Mini-Symposium. October 2013. Length: 30min.

The Categorical Structure of Semi-Bilinear Intuitionistic Logic. Harley D. Eades III. Midwest Verification Day. September 2013. Length: 20min.

Hereditary Substitution for the $\lambda\Delta$ -Calculus. Harley D. Eades III. Workshop on Control Operators and their Semantics (COS). Affiliated with Rewriting, Deduction, and Programming (RDP). June 2013. Length: 20min.

Hereditary Substitution for the $\lambda\Delta$ -Calculus. Harley D. Eades III. Midwest Verification Day. September 2012. Length: 20min.

Hereditary Substitution for the $\lambda\Delta$ -Calculus. Harley D. Eades III. Fourth International Workshop on Classical Logic and Computation (CLC). July 2012. Affiliated with ICALP 2012. Length: 20min.

Separation of Proof from Program. Harley D. Eades III. Midwest Verification Day. September 2011. Length: 20min.

Exploring the Reach of Hereditary Substitution. Harley D. Eades III. Types for Proofs and Programs (TYPES), 2011. Length: 30min.

Hereditary Substitution for Stratified System F. Harley D. Eades III. International Workshop on Proof-Search in Type Theories (PSTT). July 2010. Length: 20min.

Undergraduate Research Publications

Zero-Divisors and Their Graph Languages. Harley D. Eades III. Rose-Hulman Undergraduate Mathematics Journal. Vol. 10, Issue 2, 2009.

Program Committees

The Seventh ACM SIGPLAN Workshop on Programming Languages meets Program Verification (PLPV). 2013.

Sub-Reviewing

Logical Methods in Computer Science. 2013. Reviewed: 1 paper.

The 11th International Conference on Typed Lambda Calculi and Applications (TLCA). 2013. Reviewed: 1 paper.

The 19th International Conference on Tools and Algorithms for the Construction and Analysis of Systems (TACAS). 2013. Reviewed: 1 paper.

23rd International Conference on Rewriting Techniques and Applications (RTA). 2013. Reviewed: 1 paper.

The 6th International Joint Conference on Automated Reasoning (IJCAR). 2012.
Reviewed: 2 papers.

Campus Leadership	<i>President</i>	September 2006 - May 2009
	The Association For Computing Machinery, Millikin University Increased membership by 50, helped implement a super computing cluster, organized event schedule and coordinated events.	
Honors	The Graduate College Summer Fellowship, University of Iowa	2013
	The Strategic Initiative Funds Fellowship, University of Iowa	2011
	Mathematics and Computer Science Award, Millikin University	2009
	Mathematics and Computer Science Award, Millikin University	2008
	Mathematics and Computer Science Award, Millikin University	2007