

**NAME**  
*ADDRESS*  
*PHONE; EMAIL*  
*WEBSITE*

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### **RESEARCH INTERESTS**

Programming languages, functional programming, (embedded) domain-specific languages, combinatorics, category theory, type theory, dependent type systems

### **EDUCATION**

Ph.D. in Computer Science, University of Pennsylvania, 20XX–20XX

Dissertation: *TITLE*

*Expected graduation date:* December 20XX

Advisor: Dr. NAME

B.A. in Computer Science, *summa cum laude*, Williams College, June 2004

### **AWARDS AND HONORS**

Penn Prize for Excellence in Teaching by Graduate Students, 20XX

Teaching Practicum Award, University of Pennsylvania, 20XX

Sam Goldberg Colloquium Prize in Computer Science, Williams College, 20XX

Phi Beta Kappa

Milken Scholar

National Merit Scholar

### **PROFESSIONAL EXPERIENCE**

Visiting Assistant Professor

Williams College, Williamstown, MA, July 20XX–present

Research/Teaching Assistant

University of Pennsylvania, Philadelphia, PA, August 20XX–June 20XX

Research Intern

Microsoft Research, Cambridge, England, June–August 20XX

Worked on an experimental extension to the Glasgow Haskell Compiler with NAME and NAME.

Software Developer

Ascella Technologies / CGI Federal, Washington, DC, July 20XX–July 20XX

Computer Science and Mathematics Teacher

Woodrow Wilson Senior High School, Washington, DC, August 20XX–June 20XX

Research Assistant

University of Maryland, College Park, MD, Spring 20XX

Created real-time data compression utilities for experiments in molecular physics using high-speed cameras.

## SERVICE

Steering Committee, Workshop on Functional Art, Music, Modeling, & Design (FARM), 20XX–present

Publicity chair, 20XX Workshop on Functional Art, Music, Modeling, and Design (FARM 20XX)

Co-organizer, with NAME and NAME, of a new workshop bringing together academics and practitioners interested in applications of functional programming in art and design.

Program committee, Haskell Symposium 20XX

Haskell core libraries committee, June 20XX–June 20XX

Haskell.org committee, October 20XX–October 20XX

Helped set policy and oversee use of funds for Haskell open-source community infrastructure.

Coordinator, Penn PLClub, June 20XX–July 20XX

Penn Alexander middle school math club, October 20XX–November 20XX.

Volunteered to help lead middle school students in a variety of fun and engaging mathematical explorations.

Editor, *The Monad.Reader*, October 20XX–October 20XX

A free electronic magazine about functional programming, targeted at the Haskell community.

Organizer, Hac  $\phi$  (July 20XX, May 20XX, July 20XX, August 20XX, June 20XX)

Open three-day meetings for collaboration on projects using the functional programming language Haskell, with around 30 attendees.

Editor, *Haskell Weekly News*, June 20XX–August 20XX

Collected and published a weekly gathering of news items from the Haskell programming language community.

## REFEREED PUBLICATIONS

NAME. TITLE. In *Proceedings of the #th ACM SIGPLAN Symposium on Haskell* (Haskell 20XX, acceptance rate 41%), pp. 105–116.

NAME, Stephanie NAME, NAME, NAME, and NAME. TITLE. In *Proceedings of the #th ACM SIGPLAN Workshop on Types in Language Design and Implementation* (TLDI 20XX), pp. 53–66.

NAME, NAME, and NAME. TITLE. In *Proceedings of the #th ACM SIGPLAN International Conference on Functional Programming* (ICFP 20XX, acceptance rate 36%), pp. 333–345.

## IN PREPARATION

NAME, NAME, and NAME. TITLE (working title).

Using the theory of combinatorial species as a foundational basis for a richer, unified notion of data types in programming languages.

NAME and NAME. TITLE (working title).

Forming polymorphic data types with restrictions, using a homomorphism from the semiring of types to the semiring of matrices over types.

## **BOOKS**

NAME, NAME, NAME. *TITLE*. <http://www.cis.upenn/URL>.

## **OTHER PUBLICATIONS**

NAME. *TITLE*. In: The Monad.Reader, Issue 11, March 20XX.

NAME. *TITLE*. In: The Monad.Reader, Issue 3, September 20XX.

NAME. blog :: *TITLE*. <http://URL>.

A blog aimed at the academic community for discussing current ideas/research. 20XX–present

NAME. *TITLE*. URL

A blog aimed at a broad audience, especially high school students, exploring beautiful ideas in mathematics. March 20XX–present.

## **TALKS**

*TITLE*. Invited talk at New York Haskell Users' Group. November 20, 20XX.

*TITLE*. Invited talk at Houghton College. October 29, 20XX.

*TITLE*. Workshop on Functional Art, Music, Modeling and Design (FARM). September 28, 20XX.

## **TEACHING EXPERIENCE**

Williams College

CS 134, Introduction to Computer Science (co-taught with Bill Lenhart, 20XX)

CS 136, Data Structures and Advanced Programming (20XX)

CS 354, Functional Programming and the Art of Recursion (20XX)

University of Pennsylvania

Earned teaching certificate through Penn Center for Teaching and Learning

CIS 194, Introduction to Haskell (Course designer and instructor — 20XX)

CIS 399, The Art of Recursion (Course designer and instructor — 20XX)

CIS 500, Software Foundations (TA — 20XX)

CIS 120, Programming Languages and Techniques I (TA — 20XX)

Woodrow Wilson Senior High School, Washington, DC, 20XX–20XX

Introduction to Computer Science

AP Computer Science AB

Honors Precalculus

Williams College, Williamstown, MA, 20XX–20XX

Discrete Mathematics (TA, 20XX)

Computer Organization and Architecture (TA, 20XX)

Abstract Algebra (TA, 20XX)

Computational Geometry (TA, 20XX)

## **PERSONAL**

Excellent classical pianist. Enjoy playing bridge and go. Good reading knowledge of ancient Greek; currently learning ancient Hebrew.