**Piper Harron**
Liberated Mathematician

email     paharron@gmail.com
website  www.theliberatedmathematician.com

## Education

2016  **Princeton University, PhD in Mathematics**
Thesis: The Equidistribution of Lattice Shapes of Rings of Integers of Cubic, Quartic, and
Quintic Number Fields: An Artist's Rendering
available at www.theliberatedmathematician.com/math
Advisor: Manjul Bhargava

2002  **New York University, BA cum laude in Romance Languages**

## Appointments

08/2016 –           **Assistant Professor, University of Hawaiʻi at Mānoa**
09/2009 – 12/2010   **Lecturer, Northeastern University**

## Interests

Algebraic number theory, arithmetic statistics, teaching, writing, social justice.

## Publications

- *The equidistribution of lattice shapes of rings of integers in cubic, quartic, and quintic number fields*
  with Manjul Bhargava, to appear in *Compositio Mathematica*, available at doi: 10.1112/S0010437X16007260

## Awards and Recognition

- PhD thesis received widespread **media coverage**: including Radiolab, Scientific American blog, and
  AMS blog's "Best of 2015"

- **Beatrice Yormark Visiting Scholar**, Stanford University, 2016

- **First Year Fellowship**, Princeton University, 2003–2004

## Invited Research Seminars and Conferences

Mar 2016  **Duke University Number Theory Seminar**
May 2016  **Program for Women and Mathematics, Institute for Advanced Study and Princeton**
**Stanford University Number Theory Seminar**
Jul 2016  **Latin American Congress of Mathematicians**
Nov 2016  **Fields Medal Symposium, Fields Institute**

## Outreach: Speaking

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| Mar 2016 | **Invited speaker at Duke University Baldwin Scholars Seminar** |
| May 2016 | **Visit with women in mathematics organization (Noetherian Ring) at UC Berkeley** |
| | **Visit with women in mathematics at Stanford University** |
| June 2016 | **Invited speaker at EDGE Summer Session, Purdue University** |

## Outreach: Writing

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| Blog Posts | **MathBabe**, "Piper Harron discusses her artistic and wonderful math Ph.D. thesis", December 2015 |
| | **The Liberated Mathematician**, "Why I Do Not Talk About Math", December 2015 |
| | **The Liberated Mathematician**, "I am not your genius", January 2016 |

## Selected Press

- **Scientific American Blog**, "Contrasts in Number Theory" by Evelyn Lamb, December 2015

- **AMS Blog**, "The Best and Worst of Math in 2015" by Anna Haensch, December 2015

- **Mad Art Lab**, "Labor pains – Piper Harron's mathematics thesis" by Julie Mars, December 2015

- **RadioLab**, taped interview for upcoming episode

## Teaching Experience

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| Fall 2009 – Fall 2010 | **Math 1342: Calculus II** (five sections over three semesters) |
| | Dept. of Mathematics, Northeastern University |
| Fall 2006 & Spring 2009 | **Mat 104: Calculus II** (two sections in two semesters) |
| | Dept. of Mathematics, Princeton University |
| Fall 2004 – Spring 2009 | **Teaching Assistant** (18 sections in ten semesters) |
| | Dept. of Mathematics, Princeton University |