

# Lucia Williams

Montana State University  
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## Education

### **Montana State University**

Ph.D., Computer Science, in progress, 2017-present  
Applied Algorithms Lab  
Advisor: Brendan Mumey

### **University of Washington**

B.S., Applied Computational and Mathematical Sciences, 2014  
B.A., Community, Environment, and Planning, 2014  
Minor: Mathematics

## Publications

Robin Lynne Belton, Brittany Terese Fasy, Rostik Mertz, Samuel Micka, David L. Millman, Daniel Salinas, Anna Schenfisch, Jordan Schupbach, Lucia Williams.  
Learning simplicial complexes from persistence diagrams.  
In *Canadian Conference on Computational Geometry (CCCG 2018)*.  
CCCG, 2018.

## Teaching

### **Instructor**

The Joy & Beauty of Data, summer 2019

## Academic Work

### **Research Assistant**

Biofilm Resource and Information Database (BRaID), in progress, 2017-present

### **REU Student**

Montana State University, 2013

### **Grader**

University of Washington, 2012-2014  
Courses: Real Analysis, Linear Algebra, Multivariable Calculus, Discrete Mathematical Modeling

## Other Work

### **Data Scientist**

Marchex (online advertising company), 2014-2017

### **Data Visualization Intern**

Mazama Science (data visualization consulting company), 2013

Awards and Fellowships	<b>Benjamin Fellowship</b> Montana State University Department of Engineering, 2017-2018	
Workshops	<b>Computing Research Association Grad Cohort for Women</b> San Francisco, 2018 Chicago, 2019	
Service	<b>Conference Volunteer</b> Research in Computational Biology (RECOMB), spring 2019  <b>Co-organizer</b> Montana State University Department of Computer Science prospective student visit day, spring 2019	
References	Dr. Brendan Mumey Computer Science Montana State University brendan.mumey@montana.edu,+1 (406) 994-7811	Dr. David Millman Computer Science Montana State University david.millman@montana.edu,+1 (406) 994-4261