

# Rayna M. Harris

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## PROFILE

Completing a doctoral degree with a strong foundation in bioinformatics  
 Five years of data science experience and ten years of teaching experience  
 Excellent written, oral, and visual communication skills  
 Passionate about empowering trainees through hands-on education and mentoring

## EDUCATION

### THE UNIVERSITY OF TEXAS AT AUSTIN

PH.D. CELL & MOLECULAR BIOLOGY, EXPECTED DEC. 2017

### THE UNIVERSITY OF TEXAS AT AUSTIN

B.S. BIOCHEMISTRY, DEC. 2006

## EXPERIENCE

### SOFTWARE CARPENTRY & DATA CARPENTRY January 2015 – present

#### INSTRUCTOR

- Teach hands-on workshops on topics including R for Reproducible Scientific Analysis, The UNIX Shell, and Version Control with Git
- Developing curricula for a workshop on Reproducible Research with Jupyter Notebook

#### INSTRUCTOR TRAINER & MENTOR

- Teach and develop the instructor training curricula
- Host on-line discussion sessions for instructors around the globe
- Building our community of Spanish-speaking instructors

#### LEADERSHIP

- Developing and implementing strategic goals as an elected Board Member
- Facilitating a merger of these two non-profit organizations

### THE UNIVERSITY OF TEXAS AT AUSTIN Oct 2008 – Dec 2017 | Austin, TX

#### SCIENTIST

- **Thesis topic** : Neurogenomics of Avoidance Learning
- **Data Science Skills** : Bioinformatics, data visualization, High performance computing (HPC), Git and GitHub,  $\text{\LaTeX}$ , Python, R, R Markdown, statistics, and UNIX.

#### COMMUNICATION

- Published 12 journal articles and 2 book chapters
- Written 40 blog posts about professional development and research
- Given 14 public talks and presented posters at 15 scientific conferences

#### TRAINING AND OUTREACH COORDINATOR

- Organized the Annual Big Data in Biology Summer School and Symposia
- Applied for and received grants for special projects and events

### MARINE BIOLOGICAL LABORATORIES 2013 – present | Woods Hole, MA

#### COURSE DEVELOPER

- Develop new curricula for teaching molecular biology and bioinformatics to graduate students and post-docs in the the 8-week Neural Systems & Behavior Course
- Supervise independent student research projects
- Manage the Neural Systems & Behavior Facebook and Twitter accounts

## HONORS & AWARDS

2017	Berkeley Data Science Institute Fellowship
2016	University Graduate Continuing Fellowship
2016	Outstanding Graduate Student Academic Employee Award
2014,15,16	Academic Enrichment Fund Award
2004	International Education Scholarship