Rayna M. Harris

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PROFILE

Scientist with expertise in molecular biology, genomics, neuroscience, evolution, and animal behavior
Nine years of experience working open source tools for genomic research
Excellent communication skills for networking with colleagues around the globe
Passionate about using open science and open education to advance understanding

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

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

- **Thesis topic** : Transcriptional plasticity in the mouse hippocampus and its role in avoidance learning
- **Scientific computing toolkit** : Bioinformatics, data visualization, high performance computing (HPC), Git and GitHub, LaTeX , Python, R, R Markdown, statistics, and UNIX.

SCIENCE COMMUNICATOR

- Published 12 journal articles, 2 book chapters, 3 pre-prints, and 2 collaborative lessons
- Written 40 blog posts about professional development and research
- Given 14 public talks and presented posters at 15 scientific conferences

COMPUTATIONAL BIOLOGY AND BIOINFORMATICS TRAINING COORDINATOR

- Organized the Annual Big Data in Biology Symposia and Summer School
- Raised over $10,000 for community-building events

SOFTWARE CARPENTRY & DATA CARPENTRY January 2015 – present | Remote
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 Reproducbile Research with Jupyter Notebook
- Teach and develop the instructor training curricula

COMMUNITY LEADER

- Developing and implementing strategic goals as an elected Board Member
- Hosting on-line discussion sessions for instructors to share ideas and expertise
- Mentoring a global community of Spanish-speaking instructors

MARINE BIOLOGICAL LABORATORIES 2013 – 2017 | Woods Hole, MA
NEURAL SYSTEMS & BEHAVIOR 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

2016	Elected to the Software Carpentry Steering Committee
2016	University Graduate Continuing Fellowship
2016	Outstanding Graduate Student Academic Employee Award
2014,15,16	Academic Enrichment Fund Award
2004	International Education Scholarship