Rayna M. Harris

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PROFILE

Scientist with expertise in molecular biology, genomics, neuroscience, evolution, and animal behavior
Eight years of experience using 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, 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 hippocampus and its role in conditioned 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 13 journal articles, 2 book chapters, 3 pre-prints, and 2 collaborative lessons
- Written 40 blog posts about professional development and research
- Given 15 public talks and presented posters at 15 scientific conferences

Computational Biology and Bioionformatics 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

- Taught hands-on workshops on topics including R for Reproducible Scientific Analysis, The UNIX Shell, and Version Control with Git
- Developed curricula for a workshop on Reproducbile Research with Jupyter Notebook
- Taught and developed the instructor training curricula

Community Leader

- Developed and implemented strategic goals as an elected Board Member
- Hosted on-line discussion sessions for instructors to share ideas and expertise
- Mentored a global community of Spanish-speaking instructors and translators

MARINE BIOLOGICAL LABORATORIES 2013 – 2017 | Woods Hole, MA

Neural Systems & Behavior Course Developer

- Developed new lessons for teaching molecular biology and bioinformatics to graduate students and post-docs in the the 8-week Neural Systems & Behavior Course
- Supervised independent student research projects
- Managed 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