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 Reproducbile 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

Board Member
- Develop and implement strategic goals
- 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, LaTeX , Python, R, R Markdown, statistics, and UNIX.

Science 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