Rebecca Zane **Wolf**

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EDUCATION

Harvard University *Nov. 2022*
Ph.D. in Organismic and Evolutionary Biology *Cambridge, Massachusetts*

- NSF GRFP Honorable Mention, T.H. Ashford Graduate Fellowship, J.M. Pierce Fellowship, and R.A. Chapman Memorial Scholarship.

Georgia Institute of Technology *June 2016*
Bachelors of Science in Applied Physics & Biology *Atlanta, Georgia*

- Wartell & Brossette Scholastic Scholarship, Outstanding Undergraduate Research Award, and H. Fukuyo Outstanding Physics Undergrad Award

SKILLS

Data Design	d3.js ● Adobe Illustrator ● Affinity Designer ● Flourish	**Data Analysis**	R ● Python ● Tableau ● GraphQL
Development	Next.js ● React.js ● Javascript/HTML/CSS	**Interests**	Wildlife Photography ● Rock Climbing

SELECTED RESEARCH EXPERIENCE

Harvard University | Soft robotic models of undulatory locomotion *July 2016 - Nov. 2022*
Graduate Research Assistant *Cambridge, Massachusetts*

- Investigated the individual and interactive effects of key control parameters, such as frequency, stiffness, and amplitude, on swimming performance in undulatory locomotion
- Developed and characterized two soft-robotic fish models to emulate undulatory locomotion and serve as an investigative model
- Instructed as a teaching assistant in the following courses: Biology of Fishes, How to Build an Animal, Deep Sea Biology, and Sea Monsters Throughout the Ages: Fables, Films, and Facts; awarded three certificates for distinction in teaching

Georgia Tech | Accreting Neutron Star Superburst Simulations *Aug. 2014 - May 2016*
Undergraduate Research Assistant *Atlanta, Georgia*

- Assembled Python scripts utilizing the Xspec package and satellite specs to model and compare the functionality of multiple satellite telescopes
- Modified Fortran code to utilize updated Suleimanov models and spectra, generating detailed light curves to illuminate the mechanisms underlying superburst radiation profiles

RELEVANT PROFESSIONAL EXPERIENCE

Data Visualization Society | Programs Director & Early Career Director *Mar 2024 - Pres.*

- Established of a monthly calendar of community events (tea times, coworking sessions, readers' club, and Q&As), engaging over 1,000 members and establishing a volunteer team of 20+ to ensure successful execution
- Directed key initiatives including the IIB Awards, State of the Industry Survey, Mentorship Program, and Future Fridays, while managing budgets, coordinating volunteer teams, and aligning programs with community needs

Scientific American | Graphics Intern *June 2024 - Dec 2024*

- Designed and produced data visualizations in collaboration with editors and scientists for digital and print media, enhancing the clarity and impact of complex topics or data
- Managed multiple projects simultaneously under tight deadlines and contributed to the creative process from concept to completion
- Conducted interviews and contributed articles on varied topics

Ocean Scholars | Full-stack Developer | Cambridge, MA *2021 - Pres.*

- Designed and developed a responsive website using Next.js and Airtable
- Collaborated with other OSAH founders to revise and curate the design aesthetics, components, and function
- Ensured performance, quality, and responsiveness using Lighthouse auditing software

Derek Bok Center for Teaching and Learning | Media & Design Fellow | Cambridge, MA *Jan. 2021 - May 2022*

- Collaborated with SEAS to generate d3.js data visualizations of their faculty and research interests and with an OEB faculty member to generate websites for their class material
- Designed and taught data visualzation workshops to Bok staff, fellow MDFs, and undergraduates: Introduction to Mapbox, Sketching Your Data, Introduction to Data Visualization Sessions 1 - 3