

# DIANA H. LI

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## SUMMARY OF QUALIFICATIONS

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- 5+ years' experience developing and teaching informal science locally and nationally (up to 300,000 attendees)
- 3 years' experience supervising and training team members in education, outreach, and research
- Skilled science communicator and educator with expertise in marine biology, neuroscience, and fluid mechanics

## EDUCATION

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**Ph.D. in Biology**, *Stanford University* April 2019  
**B.A. in Ecology & Evolutionary Biology**, *Princeton University* June 2013

## WORK EXPERIENCE

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- Education Specialist**, *Western Flyer Foundation* April 2019 – present
- Conceive, develop, and teach K-12 curriculum for ship- and shore-based lessons integrating scientific data collection, art, and storytelling to explore local history and ecology along the Pacific coastline
  - Assist in grant writing to acquire funding from federal and other sources
- Program Coordinator & Educator**, *Squids4Kids* Sept. 2013 – April 2019
- Created and annually delivered 6 hands-on curricula at K-12 schools to teach biology, ecology, and engineering
  - Coordinated and performed 50+ squid dissection events for all ages at universities, aquariums, museums, and local and national STEM expos (20 – 300,000 attendees) and increased number of partnering institutions by 50%
  - Expanded impact to national audiences by writing 2 of 6 online curricula and training team members to pack and ship squid specimens (50 lbs. each; 30 total) locally and nationally
- Graduate Student Researcher**, *Stanford University* Sept. 2013 – April 2019
- Proposed, initiated, conducted, and managed 5 simultaneous inter-disciplinary research projects combining expertise in marine biology, neuroscience, physics, and engineering to study squid locomotion
  - Built and maintained 2 national, cross-institutional collaborations and secured funding to support research
  - Mentored and supervised 4 undergraduates and 1 high-school student on independent or pre-existing projects
  - Disseminated research via 3 scientific papers (<https://bit.ly/2XJPheM>), 2 *Science Friday* interviews (<https://bit.ly/2Yb9bRf>), annual conference presentations, and invited seminars and panels
  - Taught and devised undergraduate lectures (*Vertebrate Physiology*; *Invertebrate Zoology*; *Cell & Animal Physiology*)
  - Won Best Student Presentation at a national scientific conference and over \$8,000 in research grants and awards

## LEADERSHIP EXPERIENCE

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- Outreach Chair**, *Hopkins Marine Station Graduate Student Organization* Sept. 2015 – Aug. 2017
- Planned, proposed, executed 2017 Open House at Stanford's Hopkins Marine Station (1,800 attendees)
  - Managed content development for 15 booths to showcase different areas of research
  - Budgeted and procured merchandise and supplies, set and enforced internal deadlines for 65 volunteers
  - Trained new leadership team to keep Open House an annual tradition (1,600 attendees at 2018 event)

## VOLUNTEER EXPERIENCE

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- Expert**, *Science Friday Live at the California State Railroad Museum, Sacramento, CA* 21 June 2019
- Panelist**, *Science Communication, MARINE Colloquium, Moss Landing Marine Labs, Moss Landing, CA* 11 May 2019
- Guest Teacher**, *local K-12 schools in Monterey and Santa Cruz Counties* Jan. 2015 – April 2019
- Founder, Editor, & Contributing Blogger**, *High Tidings* <http://hightidings.stanford.edu> Aug. 2017 – Jan. 2019
- Workshop Leader**, *Expanding Your Horizons for 6<sup>th</sup>-12<sup>th</sup> grade girls in STEM* Nov. 2018
- Developed hands-on curriculum and taught 2 interactive weekend workshops in engineering and marine biology
  - Recruited and trained other graduate students to run workshops at future events
- Guest Speaker**, *Pacific Grove Museum of Natural History, Pacific Grove, CA* 21 Feb. 2017
- Editor & Contributing Blogger**, *The Dish on Science* <http://thedishonscience.stanford.edu> Jan. 2016 – Dec. 2017

## SKILLS & TRAINING

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**Computing:** Matlab; R; Python; Github  
**Design:** Adobe Creative Suite; AutoCAD; Wix; WordPress  
**Project Management:** Zoom; Trello; Slack; G Suite  
**Language:** Mandarin Chinese (intermediate)  
**Trained in:** Design Thinking; Exhibit Evaluation; Negotiation; Diversity, Equity, and Inclusion