

**FOCUS:** As a graduate student in Dr. Joseph Garner's lab in the Department of Comparative Medicine, my research interest is in animal welfare + behavior, and my current project focuses on zebrafish enrichment in laboratory settings.

## EDUCATION

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**Aug 2021 – Mar 2023** **MASTER OF LABORATORY ANIMAL SCIENCE: STANFORD UNIVERSITY**  
- Current GPA: 4.23

**Aug 2012 – May 2016** **B.A. BIOLOGY: UNIVERSITY OF ST. THOMAS**  
- Cum Laude: Biology Major, Psychology Minor

## EMPLOYMENT

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**Aug 2021 – Current** **STANFORD UNIVERSITY: COLONY MANAGEMENT + COURSE DEVELOPMENT ASSISTANT**  
- Breeding Colony Management Services through the Veterinarian Service Center (*Current*)  
- CDA for Dr. Joseph Garner's "Animal Behavior" course (*Fall 2021*)

**Jun 2018 – Aug 2021** **BAYLOR COLLEGE OF MEDICINE: LABORATORY ANIMAL TECHNICIAN**  
- Large animal specialist + rodent breeding colony management services  
- **AWARD:** "2019 Best Caretaker Award" (Baylor, Center for Comparative Medicine)

**Aug 2016 – May 2018** **MIRUS ACADEMY: HIGH SCHOOL SCIENCE TEACHER**  
- Classroom teacher and lab instructor for high school chemistry, biology, and earth science

**May 2016 – May 2017** **HOUSTON ZOO: KEEPER AIDE (volunteer) + EDUCATOR (employed)**  
- 150+ hours as a keeper aide in Herpetology, Sea Lions, and Elephants

**Aug 2012 – May 2018** **TEXAS SNAKES & MORE: COMMUNITY EDUCATOR + REPTILE CAREGIVER**  
- Daily care of variety of reptile species—feeding, cleaning, training, sexing, and vet tech work  
- Presented educational programming for audiences of 10 to 600 individuals of all ages

## RESEARCH

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**Summer 2022** **"Pebble to the Metal: A Boulder Approach to Enrichment for *Danio Rerio*"**  
*Byrd, K. A.; Theil, J. H.; Geronimo, J. T.; Felt, T. K.; Hui, E. I.; Chu, D. K.; Felt, S. A.; Garner, J. P.*  
- Posters presented at UFAW International Conference (Edinburgh, UK) and Bio-X (Stanford)  
- Poster topic selected for a short talk at UFAW International Conference  
- Manuscript in preparation for submission to a journal

**Jun 2022** **"Unraveling Questions About Nesting Material and Laboratory Mice"**  
*Coden, K. M.; Geronimo, J. T.; Gutierrez, M. F.; Byrd, K. A.; Garner, J. P.*  
- Poster presented at UFAW International Conference (Edinburgh, UK)  
- Manuscript in preparation for submission to a journal

**Feb 2020** **POSTER: "Low Cost Alternatives for Group Housing Rabbits on the Floor"**  
*Humbird, T.; Byrd, K.; Buckmaster, C.*  
- Presented at Texas Branch AALAS conference + displayed at National AALAS conference  
- **AWARD:** "Technician Presentation Award," presented by Animal Care Systems & TBAALAS  
- **AWARD:** "Top 5 Finalist," presented by AALAS at the 2020 national conference

**Apr 2013** **POSTER: "Genetic Diversity within a Population of *Bufo Houstonensis*"**  
*Tran, A., Echeverri, V.; Pham, C.; Nguyen, N.; Byrd, K.; Huerta, Y.; Lopez, A., Ribadeneyra, C.; Johnson, C.; Schmitz, K.; Amin, S.*  
- Presented at UST Undergraduate Research Symposium

## LEADERSHIP AND AFFILIATIONS

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- Aug 2020 – Current**     **THE AMERICAN ASSOCIATION FOR LABORATORY ANIMAL SCIENCE**  
- Bronze member
- Sep 2021 – Aug 2022**     **GENDER DATA ENABLEMENT PROJECT: STANFORD UNIVERSITY**  
- Student advisor
- Dec 2019 – Dec 2020**     **ANIMAL BEHAVIOR SOCIETY**  
- General member
- Aug 2012 – May 2015**     **TRI-BETA HONOR SOCIETY: UNIVERSITY OF ST. THOMAS**  
- Student member
- Aug 2013 – May 2016**     **COLLEGE DEMOCRATS: UNIVERSITY OF ST. THOMAS**  
- Vice president
- Aug 2011 – May 2012**     **STUDENT COUNCIL: MIRUS ACADEMY**  
- Student body president

## CERTIFICATIONS AND SKILLS

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- **RALAT, RLAT, RLATG (*Lab Animal Technologist*):** Certified by the American Association of Laboratory Animal Science
- **VET TECH EXPERIENCE:** Trained in administering subcutaneous fluids, vaccinations & oral medication (small animals)
- **ANIMAL HANDLING:** Skilled in animal restraint for multiple species receiving medical care
- **HAZARDOUS MATERIALS & CHEMICALS:** Trained in safe handling (*Baylor College of Medicine*)
- **ENHANCED BIOSECURITY:** Experienced in maintaining strict biosecurity measures to preserve the health and wellbeing of immunocompromised rodent breeding colonies
- **BIOSAFETY LEVEL 2:** Trained to work in laboratories up to Biosafety Level 2 (*Baylor College of Medicine*)
- **PUBLIC SPEAKING:** Experienced public speaker in many venues, including Houston City Council
- **OFFICE SKILLS:** Proficient in Microsoft Office (Excel, Word, PowerPoint)
- **RELEVANT COURSEWORK:** Biology (General, Cell, Molecular, Micro, Genetics, Ecology, Evolution, Ornithology); Chemistry (General, Organic, Biochemistry); Psychology (General, Human Growth and Development, Child, Abnormal, Theory of Personalities); Ethics; Public Speaking; Biostatistics; Laboratory Animal Anatomy, Histology and Pathology; Animal Use in Biomedical Research