

# Noémie Adeline Guérin

## Curriculum Vitae

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### EDUCATION

Master of Science in Human-Animal Interaction	3
Master of Science in Animal Behavior	3
Bachelor of Science in Organismal Biology	3
Baccalauréat - French Scientific High School Diploma	3

### PROFESSIONAL EXPERIENCE

Product Manager— Companion Labs, Inc., San Francisco, CA	3
Manager of UX— Companion Labs, Inc., San Francisco, CA	3
Graduate Research Assistant — Virginia Tech, Blacksburg, VA	4
Behavior Coding Coordinator & Graduate Research Assistant — Purdue University, West Lafayette, IN	4

### PUBLICATIONS

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## EDUCATION

### **Master of Science** in Human-Animal Interaction

2017, PURDUE UNIVERSITY, WEST LAFAYETTE, IN

- **Thesis: Development, Reliability, and Validity Assessments of a Behavioral Coding System for Human-Animal Interaction**
- Advisors: Drs. Marguerite E. O'Haire, Robin L. Gabriels, Katherine M. Thomas, and Anne Traynor

### **Master of Science** in Animal Behavior

2014, UNIVERSITÉ DE RENNES 1, RENNES, FRANCE

- Thesis: Vocal imitation in the European Starling

### **Bachelor of Science** in Organismal Biology

2013, UNIVERSITÉ DE RENNES 1, RENNES, FRANCE

- Study abroad: Universidade de Lisboa, Lisbon, Portugal (2012-2013)

### **Baccalauréat** - French Scientific High School Diploma

2010, LYCÉE MONTESQUIEU, LE MANS, FRANCE

- STEM emphasis with Biology and Geology specialization

## PROFESSIONAL EXPERIENCE

### **Product Manager**— Companion Labs, Inc., *San Francisco, CA*

JANUARY 2020 - PRESENT

- I am the sole PM at [Companion](#), a VC-funded, HW/SW startup founded by a Google X-er. Companion uses AI (with [TensorFlow](#)) to train dogs, based on best in class [behavioral science](#).
- Formulate and manage product requirements and roadmap, reaching a Beta-ready product, while collaborating with a complex technical team of HW & SW engineers and behavioral scientists
- Produce and implement an ops and research plan for 20 homes and 3 B2B *beta* testing deployments
- Oversee all design functions: hardware UI, web app, and website
- Adjust product direction through multiple pivots

### **Manager of UX**— Companion Labs, Inc., *San Francisco, CA*

JUNE 2018 - DECEMBER 2019

- Organize and administer in-home ethnographic interviews to discover pain points
- Develop and implement mixed-methods (surveys and interviews) UX measurement plan to evaluate alpha testing trials

- Organize and implement in-home hardware testing deployments
- Produce wireframes for a dog training mobile app

### **Graduate Research Assistant** — Virginia Tech, Blacksburg, VA

AUGUST 2017 - JANUARY 2018

- Organized a multidisciplinary Journal club
- Conducted a systematic literature review of horse behavior in therapeutic riding

### **Behavior Coding Coordinator & Graduate Research Assistant** — Purdue University, West Lafayette, IN

AUGUST 2015 - AUGUST 2017

- Managed a confidential HIPAA-protected database for an oncology clinical trial across 5 hospitals with 98 participants
- Co-developed a human behavior quantification tool for human-animal interaction research
- Trained and supervised 13 behavior coders, conducted statistical analyses

## **PUBLICATIONS**

Stars\* indicate mentees

### **Journal Publications**

Mundell, P., Liu, S., **Guérin, N. A.**, & Berger, J. M. (In Press). An automated behavior shaping intervention reduces signs of separation anxiety-related distress in a mixed-breed dog. *Journal of Veterinary Behavior*, 36.

Germone, M. M., Gabriels, R. L., **Guérin, N. A.**, Pan, Z., Banks, T., & O'Haire, M. E. (2019). Animal-assisted activity improves social behaviors in psychiatrically hospitalized youth with autism. *Autism*, 1, 12. doi: [10.1177/1362361319827411](https://doi.org/10.1177/1362361319827411)

McCullough, A., Ruehrdanz, A., Jenkins, M. A., Gilmer, M. J., Olson, J., Pawar, A., Holley, L., SierraRivera, S., Linder, D., Pichette, D., Grossman, N. J., Hellman, C., **Guérin, N. A.**, & O'Haire, M. E. (2017). Measuring the effects of an animal-assisted intervention for pediatric oncology patients and their parents: A multi-site randomized controlled trial. *Journal of Pediatric Oncology Nursing*, 35(3), 159-177. doi: [10.1177/1043454217748586](https://doi.org/10.1177/1043454217748586)

McCullough, A., Jenkins, M. A., Ruehrdanz, A., Gilmer, M. J., Olson, J., Pawar, A., Holley, L., SierraRivera, S., Linder, D. E., Pichette, D., Grossman, N. J., Hellman, C., **Guérin, N. A.**, & O'Haire, M. E. (2018). Physiological and behavioral effects of animal-assisted interventions on therapy dogs in pediatric oncology settings. *Applied Animal Behaviour Science*, 200, 86-95. doi: [10.1016/j.applanim.2017.11.014](https://doi.org/10.1016/j.applanim.2017.11.014)

Pan, Z., Granger, D. A., **Guérin, N. A.**, Shoffner, A., & Gabriels, R. L. (2018). Replication pilot

trial of therapeutic horseback riding and cortisol collection with children on the autism spectrum. *Frontiers in veterinary science*, 5. doi:10.3389/fvets.2018.00312

**Guérin, N. A.**, Gabriels, R. L., Germone, M. M., Schuck, S. E., Traynor, A., Thomas, K. M., ... & O'Haire, M. E. (2018). Reliability and validity assessment of the Observation of Human-Animal Interaction for Research (OHAIRE) behavior coding tool. *Frontiers in veterinary science*, 5. doi:10.3389/fvets.2018.00268

Rodriguez, K. E., **Guérin, N. A.**, Gabriels, R. L., Serpell, J. A., Schreiner, P. J., & O'Haire, M. E. (2018). The state of assessment in human-animal interaction research. *Human-Animal Interaction Bulletin*, 6, 63-81. [https://www.purdue.edu/vet/chab/ohaire/files/documents/HAI\\_2018\\_HAIB\\_Rodriguez.pdf](https://www.purdue.edu/vet/chab/ohaire/files/documents/HAI_2018_HAIB_Rodriguez.pdf)

Gabriels, R. L., Pan, Z., **Guérin, N. A.**, Dechant, B., & Mesibov, G. (2018). Long-term effect of therapeutic horseback riding in youth with autism spectrum disorder: A randomized trial. *Frontiers in veterinary science*, 5. doi:10.3389/fvets.2018.00156

**Guérin, N. A.**, Rodriguez, K. E., Brodhead, M. T., & O'Haire, M. E. (2017). Assessing preferences for animals in Children with autism: a new use for Video-Based preference assessment. *Frontiers in veterinary science*, 4, 29. doi:10.3389/fvets.2017.00029

Mazgaonkar, G.\*, **Guérin, N. A.**, & O'Haire, M. E. (2017). Effects of Animals on Positive Emotional Display in Children in Inclusion Classrooms. *Journal of Purdue Undergraduate Research*, 7(1).

O'Haire, M. E., **Guérin, N. A.**, & Kirkham, A. C. (2015). Animal-assisted intervention for trauma: A systematic literature review. *Frontiers in psychology*, 6, 1121. doi:10.3389/fpsyg.2015.01121

O'Haire, M. E., **Guérin, N. A.**, Kirkham, A. C., & Daigle, C. L. (2015). Animal-assisted intervention for autism spectrum disorder. *HABRI Central Briefs*, 1(6), e1-8. [https://habricentral.org/resources/48445/download/hc\\_brief\\_autism20150623e.pdf](https://habricentral.org/resources/48445/download/hc_brief_autism20150623e.pdf)

O'Haire, M. E., **Guérin, N. A.**, Kirkham, A. C., & Daigle, C. L. (2015). Animal-Assisted Intervention for Trauma, Including Post-Traumatic Stress Disorder. *HABRI Central Briefs*, 1(6), e1-8. [http://habricentral.org/resources/52067/download/hc\\_brief\\_trauma20150825c.pdf](http://habricentral.org/resources/52067/download/hc_brief_trauma20150825c.pdf)

**Guérin, N. A.**, McKenzie, S. J., Slaughter, V., Barton, A. K.\*, & O'Haire, M. E. (Under Review). Animal-assisted activities in the inclusion classroom: Effects on typically-developing children behavior. *Journal of Educational Psychology*.

## White Papers

**Guérin, N.A.**, & O'Haire, M. E. (2016). Animal-Assisted Intervention for Autism. Purdue

University College of Veterinary Medicine.  
<http://vet.purdue.edu/chab/ohaire/autism.php>

### Oral Presentations

**Guérin, N. A.**, Barton, A. K.\*, & O'Haire, M. E. (2016). Social behaviors and positive emotional displays increase in typically developing children in the presence of animals compared to toys. 25th Annual International Society for Anthrozoology (ISAZ) Conference. July 7-10, Barcelona, Spain.

O'Haire, M. E., **Guérin, N. A.**, Germone, M. M., & Gabriels, R. L. (2016). Overview of a Novel Video Behavioral Coding System for Human-Animal Interaction. Centers for the Human-Animal Bond Conference. November 3-4. West Lafayette, IN, USA.

*Developed and co-taught a workshop discussing the development, implementation, and preliminary findings of a behavior coding tool for human-animal interaction research.*

*1.5 Continuing Education Credits available.*

**Guérin, N. A.**, Gabriels, R. L., Germone, M. M., & O'Haire, M. E. (2017). Inter-rater reliability, structure, and construct validity of the Observation of Human-Animal Interaction for Research, Version 3 (OHAIRE-V3). 26th Annual International Society for Anthrozoology (ISAZ) Conference. June 22-25, Davis, CA, USA.

McCullough, A., Ruehrdanz, A., Jenkins, M. A., O'Haire, M. E., & **Guérin, N. A.** (2017). The psychosocial effects of animal-assisted intervention for pediatric oncology patients and their parents: a multi-site, randomized control trial. 26th Annual International Society for Anthrozoology (ISAZ) Conference. June 22-25, Davis, CA, USA.

Johnson, A.\*, **Guérin, N. A.**, & O'Haire, M. E. (2017). Comparison of Three Behavior Sampling Methods to Assess Human-Animal Interaction. Annual Biomedical Research Conference for Minority Students (ABRCMS). November 1-4, Phoenix, AZ, USA.

**Guérin, N. A.** (2017). Horse behavior during equine-assisted activities and therapies for children with autism spectrum disorder. Advancing the Human Condition Symposium. November 28-30, Blacksburg, VA, USA.