

Tansy M. Billin

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EDUCATION

Brigham Young University – B.S. in Conservation of Wildlife and Wild Lands received April 2020.

Awarded full-tuition merit-based scholarship from BYU since 2014. GPA: 3.90.

Lebanon, NH High School – Graduated in June 2013.

WORK EXPERIENCE

Animal Nutrition Lab. BYU, Provo, UT (Dec. 2019-April 2020)

Technician – Analyze effects of barley fodder on milk production and composition in goats and sheep. Fat extraction through centrifugation. Preparation of fatty acid methyl ethers by Sodium Methoxide Method. Reading and analyzing data from gas chromatography lab.

Wildlife Lab. BYU, Provo, UT (Sept. 2018–April 2020)

Technician – Retrieve collars with GPS and VHF radio tracking, deer captures and handling, necropsy, data collection and database entry, photo classification, back road truck and ATV driving, pulling trailer.

Pre-veterinary Preceptorship. BYU, Provo, UT (Jan.–March 2020 & Jan.–Apr. 2014)

Student veterinary technician – Vaccinate, draw blood, pregnancy check, fecal tests, handle and restrain animals, worked as anesthesiologist, monitored vital signs, sterilized operating room and utensils, scrubbed in on surgeries, teeth cleaning, and physical examinations.

Mule Deer Field Study. BYU, Cache Valley, UT (May 2018–Apr. 2019)

Technician – Research project studying mule deer survival related to maternal condition and fawning habitat. Fawn handling for measurements and collaring, vegetation sampling (methods include: robel pole, daubenmire, line-point intersect, tree canopy cover, percent cover by quadrant).

Soil Lab. BYU, Provo, UT (Oct. 2017–Apr. 2018)

Technician – Test the effectiveness of phosphorus fertilizer in potato plants under BYU's Environmental Analytical Lab director, Dr. Bryan Hopkins. Hydroponics, plant grinding, petiole sampling, harvesting, and analysis.

Truth Commission Database. BYU, Provo, UT (Sept. 2017–Dec. 2017)

Researcher – Started world's largest truth commission database covering around 200 variables and 37 countries. Special research being done on Colombia to assist the formation of their 2017 truth commission.

Church of Jesus Christ Service Mission. Rosario, Argentina. (2015–2017)

Missionary – Representative for the Church of Jesus Christ of Latter Day Saints in Argentina. Daily teaching and service in the Spanish language.

K-8 Substitute Teacher. Lebanon, NH School District (2015)

Substitute – Taught various subjects and grade levels, including behavioral support program. Received special permission to fulfill week-long substitute position teaching junior high math.

PUBLICATIONS

Research contributor. *Design and Policy Advice for Phase I of Truth Commissions: the Design Phase* by the Global Truth Commission Index, 2018.

Presentation. Cole, D. L., A. Tyler, A. Lambert, S. V. Nelson, **T. Billin** and B.G. Hopkins. 2018. A new hydroponic system for testing mineral nutrient deficiencies in plants. In Abstracts, ASA•CSSA International Annu. Meet.; 4-7 Nov 2018; Baltimore, MD. Madison, WI: ASA-CSA-SSSA.

AWARDS

College Undergraduate Research Award. (Winter 2020) BYU College of Life Sciences undergraduate mentor-based, student-focused awards.

Abrelia Clarissa Hinckley Scholarship. (2018-2019 school year) Among the most prestigious scholarships awarded by BYU for strong academic standing and public service.

SKILLS

Computers: Proficient with Microsoft Word, PowerPoint, Excel, ArcGISPro, Macintosh and PC, 57 wpm

Languages: Fluent in Spanish.

General: Excellent interpersonal skills. Experience working with children of all ages and adults.

Research: Finding and triangulating credible data. VHS radio tracking.

CPR: Certified in CPR as of January 2018.

SERVICE

Provo Assisted Living – At least monthly walk and visit with man partially handicapped by stroke.

Provo Rehabilitation and Nursing – Singing and visiting with long term patients.

Provo Bike Collective – Fixing bikes for a community organization that provides bikes to people who cannot afford them.

Brigham Young University Y-Serve – Making beds and blankets for refugees.

Brigham Young University Test Scribe – Test scribe for BYU students with disabilities through the University Accessibility Center.

Red Cross – Continuing blood donor.

Relief Society – First counselor in local church philanthropic women’s organization. Responsible for caring for temporal and spiritual welfare of members and coordinating activities, meetings and lessons.

REFERENCES

Randy Larsen – BYU professor and wildlife lab employer. 801-422-2322

Bryan Hopkins – BYU professor and soil lab director. 801-422-2185