

Ryan James Haupt

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Education

Ph.D., Department of Geology and Geophysics, University of Wyoming, 2020.

Advisor: Dr. Mark T. Clementz. *Dissertation:* SLOW FOOD MOVEMENTS: EXPLORING THE DIETARY ECOLOGY OF EXTINCT AND EXTANT SLOTHS USING STABLE ISOTOPE ANALYSIS OF FOODS, TISSUES, AND FECES

Master of Science in Earth & Environmental Sciences, Vanderbilt University, 2012.

Advisor: Dr. Larisa R.G. DeSantis. *Thesis:* DENTAL MICROWEAR TEXTURE ANALYSIS OF DENTIN: CAN MAMMALIAN DIETS BE INFERRED WITHOUT ENAMEL?

Bachelor of Science in Environmental Geology, University of California, Santa Cruz, 2009. Subject GPA: 3.4

Bachelor of Science in Ecology & Evolutionary Biology, University of California, Santa Cruz, 2008. Subject GPA: 3.5

Research, Work, & Field Experience

Executive Director, National Youth Science Academy (Formerly the “National Youth Science Foundation”). April 2023 – Present.

Duties: Responsible for the day-to-day operation of the Academy including developing and applying policies, budgets, and strategies to accomplish the mission of the Academy.

Research Associate, Smithsonian Institution’s National Museum of Natural History, Department of Paleobiology. May 2023 – Present. *Advisor:* Dr. Matthew T. Carrano, Curator of Dinosauria

Director of WV STEM Programming, National Youth Science Academy. December 2020 – March 2023.

Duties: Plan and implement West Virginia-focused STEM programming, supervise maintenance and usage of our 27,000 square foot education facility, and develop a new international program in partnership with American University in D.C.

Science Policy Fellow, Geological Society of America. September 2019 – August 2020.

Supervisor: Kasey White, Director for Geoscience Policy *Duties:* Attending congressional hearings and briefings, tracking geoscience legislation, communicating with GSA members, help plan, schedule, and run our Congressional Visit Days, assist policymaker with direct outreach and connecting them to our membership, and help GSA’s Geology and Public Policy Committee perform their duties to the society.

Research Fellow, Smithsonian Institution’s National Museum of Natural History, Department of Paleobiology. November 2017 – 2021. *Advisor:* Dr. Matthew T. Carrano, Curator of Dinosauria

Geologists in the park (GIP) Intern, GeoCorps – Geologists in the Parks at Florissant Fossil Beds National Monument, Summer – Fall 2015. *Duties:* Designed new wayside exhibits; created videos for a new touchscreen kiosk exhibit; managed official social media channels for the park. *Supervisor:* Dr. Herbert W. Meyer

Volunteer, Natural Trap Cave excavation, Summer 2015. *Duties:* Descend into cave to dig test pits and excavate fossils from main pit

Intern, Panama Canal Project – Partnerships in International Research and Education, Spring 2014. *Duties:* Prospect, quarry, and excavate fossils along the Panama Canal

and other field localities in the country. Assist in the preparation and description of collected samples and become an active participant in the local research community.

Lab Technician / Research Assistant, Earth & Planetary Sciences, University of California, Santa Cruz, Fall 2006 – Summer 2010. *Duties:* Assisted with various projects requiring variety of skills including sample collection and preparation, use of stable isotope mass spectrometer, and training new hires.

Summer Field Capstone, Earth & Planetary Sciences, University of California, Santa Cruz. *Topic:* Mapping the Poleta Folds Belt, Deep Springs Valley, CA. Summer 2009.

Agroecology in the Tropics Field Course, Education Abroad Program, University of California, Santa Cruz. Spring 2008. *Research project:* Effects of Habitat on the Morphology of Two Populations of the Guppy *Priapichthys annectens* (Poeciliidae)

Teaching Experience

Facilitator for Project WILD Spring 2022 – Present. *Duties:* Complete training required to become certified in how to help teacher learn and teach about wildlife in their curriculum.

Corridor H Geology Field Trip Leader Fall 2021. *Duties:* Helped develop and lead undergraduate geology students from Radford University and Old Dominion University to explore the stratigraphy and structures of the Appalachian Mountains.

Facilitator for Project WET Summer 2021 – Present. *Duties:* Complete the online and in person training required to become certified how to help teachers learn to teach about water in their curriculum.

Facilitator for Project Learning Tree (PLT) Summer 2021 – Present.

Duties: Complete the online and in person training required to become certified how to help teachers learn to teach about plants and trees in curriculum.

Course Author for National Science Policy Network Science Diplomacy Exchange and Learning (SciDeal) DiploFoundation Science Diplomacy and the U.N. Sustainable Development Goals February 2021 – Present.

Duties: Help develop, write, and teach an online science policy course aimed at young diplomats from developing nations.

(Final reflection publication: [Science diplomacy capacity development: Reflections on Diplo's 2021 course and the road ahead](#))

Camp Instructor (Smithsonian Associates' Summer Camps) Summer 2019.

Duties: Develop, plan, and execute weekly day camps centered around a theme (e.g., oceanography, paleontology, etc.) utilizing as much as possible the Smithsonian resources available on the National Mall.

AAAS STEM Volunteer Fall 2018 – Spring 2019. *Duties:* Once or twice a week go help out Ms. Simmons, biology teacher at Theodore Roosevelt High School in D.C., plan and conduct lessons for her students, and serve generally as a secondary resource for helping with assignments and answering questions.

Workshop Leader (AGU: Sharing Science) Fall Meeting 2018 and 2019. *Duties:* Conducted a workshop to teach the basics of podcasting including development, hardware, and editing.

Workshop Instructor (D.C. Science Writers Association) Fall 2018 – Present.

Duties: Conducted a hands-on workshop covering the basics of podcasting focusing on what makes for good content, how to record audio, and the basics of editing. The first workshop sold out quickly so a second was added.

Instructor of Directed Study and Directed Overnighter (National Youth Science Camp) Summer 2016 – 2019. *Duties:* Taught a three-day short course on the

fundamentals of paleontology and lead a two-day field trip to collect fossils from various localities around Appalachia with recent high school graduates.

Instructor of Record (University of Wyoming) Writing a Scientific Manuscript, Fall 2014. *Duties:* Designed course, assigned readings and assignments, graded student work, assigned final grades

Instructor (Office of Tropical Studies) Introduction to Tropical Ecology – Podcast Workshop, January 2014. *Duties:* Taught graduate students the basics of audio recording, editing, and podcasting styles. Had students produce their own short shows for presentation to the class.

Teaching Assistant (University of Wyoming) Introduction to Paleontology. *Duties:* Design and administer lab exercises and exams.

Teaching Assistant (Vanderbilt University) Oceanography, Dynamic Earth, Earth and the Atmosphere, Global Climate Change. *Duties:* Lab exercise design and implementation, preparation of lab for other TAs, and grading assignments.

Learning Assistant (University of California, Santa Cruz) Introduction to Statistics, Fall 2008 & Ecology & Evolution, Winter 2009. *Duties:* Held weekly group tutoring sessions for students seeking extra help.

Teaching Assistant (University of California, Santa Cruz) Natural History & Evolution of Dinosaurs 2007 and 2009 & Introduction to Geological Field Methods 2009. *Duties:* Held discussion sections, graded quizzes, and joined class on field trips.

Reader (University of California, Santa Cruz) Natural History & Evolution of Dinosaurs, Spring 2006, Winter 2007, and Spring 2009. *Duties:* Graded homework assignments and final projects.

CalTeach Intern, Spring 2006 – Fall 2006 *Duties:* Assisted in high school classrooms and the summer COSMOS program, including helping students with material and planning lessons.

Camp Counselor (Muscular Dystrophy Association, WV chapter), Summer 2003-2004. *Duties:* Provide one-on-one support to an assigned camper to ensure that they are able to eat, use the restroom, bathe, and participate in camp activities as much as possible.

Professional Service

Judge for the WV State Science Fair 2022-2024.

Duties: Assess submitted entries and select a winner based on provided criteria.

Council Member for Geological Society of Washington, December 2020 – 2022.

Duties: Attend council meetings, advise society leadership, and serve as a voting member of the governing council.

Webmaster for Geological Society of Washington, August 2020 – Present.

Duties: Maintain and update official GSW website (<http://www.gswweb.org/>) and social media accounts with announcements, updates, and other relevant information for the society.

Program Chair for Geological Society of Washington, January 2019 – December 2020.

Duties: Recruit and organize speakers for monthly meetings, promote each meeting via flyers, join speakers for dinner, and coordinate technology needs to help speakers with their presentations.

Judge for D.C. Science Writers Association Newsbrief Award, 2019.

Duties: Assess submitted entries and select a winner based on provided criteria.

Editor for DMW AWG, local chapter for the Association for Women Geoscientists, 2018 –

2020. *Duties*: Build and maintain the website for our local chapter (<http://dmvawg.org/>).

Docent for University of Wyoming Geological Museum, August 2013 – May 2016.

Duties: Social media coordination, day-to-day assistance of visitors, event planning, exhibit development.

Seminar Committee Member, Department of Earth and Environmental Sciences, Vanderbilt University, Spring 2012. *Duties*: Recruit, schedule, and host speakers for the weekly departmental seminar series.

Scientific Accuracy Consultant for Parque MegaFauna Monteverde, Costa Rica, May 2008 – July 2008. *Duties*: Prepared detailed report on accuracy of park exhibits and signage with suggestions for improvement in terms of scientific and English translation accuracy.

Publications

Haupt, R.J., R.N. Cliffe, and M.T. Clementz. *In prep.* Does carbonate-collagen spacing of stable isotope values in bones reveal meat eating in captive sloths? A novel method for testing claims of meat eating by extinct ground sloth.

Haupt, R.J. and A.K. Hastings. 2023. Analysis of fossil crocodylian teeth as a potential indicator of past nesting sites or juvenile refugia: A test case from the Miocene of Panama. In *Ruling Reptiles: Crocodylian Biology and Archosaur Paleobiology* (eds. H.N. Woodward and J.O. Farlow, pp. 186-214). Indiana University Press, Bloomington.

Wheatley, P.V., **R.J. Haupt**, and A.K. Hastings. 2023. Estimating Total Length from Tooth Size in Alligator mississippiensis. In *Ruling Reptiles: Crocodylian Biology and Archosaur Paleobiology* (eds. H.N. Woodward and J.O. Farlow, pp. 149-160). Indiana University Press, Bloomington.

Reid, R., B. Crowley, and **R.J. Haupt**. 2023. The prospects of poop: A review of past achievements and future possibilities in fecal isotope analysis. *Ecological Monographs* 17.

Cliffe, R.N., **R.J. Haupt**, *et al.* 2023. The behaviour and activity budgets of two sympatric sloths; *Bradypus variegatus* and *Choloepus hoffmanni*. *PeerJ* 11: e15430.

Haupt R.J., Langis-Barsetti D., O'Dwyer R., Preuss M., van Driel M., Margolis E.A., Jain M., Marlin B.J. 2019. The scientist's summer reading list. *Science* 364:926–931.

Cliffe, R.N., and **R.J. Haupt**. 2018. Hanging Out for a Drink: first observations of tree sloths drinking water in the wild. *Frontiers in Ecology and the Environment* 16 (8): 446.

Fraser, D.L., **Haupt, R.J.**, and A.W. Barr. 2018. Phylogenetic signal in tooth wear dietary niche proxies: What it means for those in the field. *Ecology and Evolution* 00:1-5.

Fraser, D.L., **Haupt, R.J.**, and A.W. Barr. 2018. Phylogenetic signal in tooth wear dietary niche proxies. *Ecology and Evolution* 00:1-14.

DeSantis, L.R.G., Schubert, B.W., Schmitt-Linville, E., Ungar, P.S., Donohue, S.L., and **R.J. Haupt**. 2015. Dental Microwear Textures of Carnivorans from the La Brea Tar Pits, California, and Potential Extinction Implications. *La Brea and Beyond: The Paleontology of Asphalt-Preserved Biotas*, 42: 37-52.

Cliffe, R.N., **Haupt, R.J.**, Avey-Arroyo, J.A., and R.P. Wilson. 2015. Sloths like it hot: ambient temperature modulates food intake in the brown-throated sloth (*Bradypus variegatus*). *PeerJ*, 3:e875.

- DeSantis, L.R.G. and **R.J. Haupt**. 2014. Cougars' key to survival through the late Pleistocene extinction: insights from dental microwear texture analysis. *Biology Letters*, 10(4): 20140203.
- Veter, N.M., DeSantis, L.R.G., Yann, L.T., Donohue, S.L., **Haupt, R.J.**, Corapi, S.E., Fathel, S.L., Gootee, E.K., Loffredo, L.F., Romer, J.L., and S.M. Velkovsky. 2013. Is Rapoport's rule a recent phenomenon? A deep time perspective on potential causal mechanisms. *Biology Letters*, 9: 20130398.
- Yann, L.T., DeSantis, L.R.G., **Haupt, R.J.**, Romer, J.L., Corapi, S.E., and D.J. Etnenson. 2013. The application of an oxygen isotope aridity index to terrestrial paleoenvironmental reconstructions in Pleistocene North America. *Paleobiology*, 39: 576-590.
- Haupt, R.J.**, DeSantis, L.R.G., Green, J.L., and P.S. Ungar. 2013. Utility of dentin microwear in xenarthrans as a dietary indicator. *Journal of Mammalogy* 94 (4): 856-866.

Invited Talks

- Haupt, R.J.** 2020, 2022, & 2023. The Wild and Wonderful Sloths of WV: Using paleontological techniques on modern sloths to better understand their extinct relatives. *National Youth Science Camp*. (2020 and 2021 talks were presented virtually due to the COVID-19 pandemic)
- Haupt, R.J.** 2023. The Wild and Wonderful Sloths of West Virginia. *The Clay Center for the Arts and Sciences "Discover Our World" Lecture Series*, Charleston, WV.
- Haupt, R.J.** 2023. The Wild and Wonderful Sloths of West Virginia. *Grave Creek Mound Archaeological Complex Fossil Day*, Moundsville, WV.
- Haupt, R.J.** 2019. From Paleo to Policy. *Untold Stories of Science Policy, American Geophysical Union Fall Meeting: U32C*.
- Haupt, R.J.** 2019. The Wild and Wonderful Sloths of WV: Using paleontological techniques on modern sloths to better understand their extinct relatives. *National Youth Science Camp Martha Wehrle Opening Lecture*.
- Haupt, R.J.** 2019. Epic Mammals Across the Epochs. *Balticon 53*.
- Haupt, R.J.** 2018. (Paleo)ecology of extinct and extant sloths: Lessons learned from treating cryptic animals as if they were already fossils. *Department of Paleobiology Seminar Series, Smithsonian Institution's National Museum of Natural History*.
- Haupt, R.J.** 2018. Applying paleontological proxy methods to modern sloths: What can the odd mammal out teach us about their even odder fossil relatives? *Geological Society of Washington invited speaker*, winner of the 2018 Bradley Award.
- Haupt, R.J.** 2018. (Paleo)ecology of extinct and extant sloths: Lessons learned from treating cryptic animals as if they were already fossils. *Dickinson College Department of Earth Sciences paleontology class guest lecture*.
- Haupt, R. J.** 2018. CSI: Jurassic Park and Cloning Dinosaurs. *Balticon 52*.
- Haupt, R.J.** 2018. Dissecting Jurassic Park's Dinos: Playing along with pop culture to foster more positive public perceptions of science. *Dickinson College Department of Earth Sciences seminar series*.
- Haupt, R.J.** 2018. The Wild and Wonderful Sloths of WV: Using paleontological techniques on modern sloths to better understand their extinct relatives. *National Youth Science Camp invited lecture*.
- Haupt, R.J.** 2018. A man, a plan, and a bunch of fossil teeth from the Panama Canal. *Science Museum of Western Virginia STEM Tavern Series*.
- Haupt, R.J.** 2017. How a US President conspired to make me a paleontologist: And what

- I've learned since. *National Youth Science Camp* invited lecture.
- Haupt, R.J.** 2017. Abominable mythical monsters and indomitable adaptable science. *Wyoming Humanities Council's Ignite Laramie Presentations*.
- Haupt, R.J.**, Hastings, A.K., and M.T. Clementz. 2016. Are tiny teeth indicators of a crocodylian nesting ground or juvenile refuge in the Miocene of Panama? *22nd Annual Tate Museum Conference*.
- Haupt, R.J.** 2016. Looking in and talking out: Proxy methods to explain how pumas survived the LPE and how to tell the public about it. *Ohio Northern University Department of Biological & Allied Health Sciences Seminar Speaker Series*.
- Haupt, R.J.** 2014. The Big Cats of La Brea: How Pumas May Have Survived the Late Pleistocene Extinction in North America. *Fossil Craft Beer Company Talk Nerdy To Me Series*.
- Haupt, R.J.** 2014. The Big Cats of La Brea: How Pumas May Have Survived the Late Pleistocene Extinction in North America. *20th Annual Tate Museum Conference*.
- Haupt, R.J.** 2014. Dental Microwear of Modern Xenarthran Dentin and Implications for Fossil Paleoecology. *Smithsonian Tropical Research Institute Center for Tropical Paleontology and Archeology invited Paleotalk*.

Abstracts & Presentations

- R. Sincavage, N.L. Sams, and **R.J. Haupt**. 2023. Overcoming barriers to STEAM access, engagement, and identity for traditionally underserved and underrepresented families in rural Appalachia by co-creating community-relevant holistic informal cross-generational programming, including locally sourced meals, and collaborating with STEAM practitioners using the *Monday Night Science* model. *American Geophysical Union Fall Meeting ED52A-07: Empowering a Diverse and Global Earth and Space Science Community Through Education and Public Engagement*.
- R.J. Haupt**, M.T. Clementz, and H.G. McDonald. 2023. New Radiocarbon Dates for Shasta Ground Sloth (*Nothrotheriops shastensis*) dung from Gypsum Cave, NV, show potentially earlier inhabitation and provide additional context for paleoecological interpretation. *Society of Vertebrate Paleontology, Annual Meeting*.
- R.J. Haupt** and S.G. Strait. 2022. Wild, Wonderful, and Uninfected: Lessons learned running in person STEM Day Camps during a global pandemic in urban and rural WV. *Society of Vertebrate Paleontology, Education & Outreach Abstracts*.
- Paul M. and **R.J. Haupt**. 2022. Dream it, design it, MAKE IT: Distributing MakerSpace technology to eastern panhandle teachers and librarians to foster innovation and entrepreneurship in rural and underserved students. *West Virginia Science Teachers Association Annual Conference*.
- Schatz D. and **R.J. Haupt**. 2022. Making Science Learning Lifelong, Lifewide, and Lifedeeep. *West Virginia Science Teachers Association Annual Conference*.
- Schatz D. and **R.J. Haupt**. 2022. Time to Get Ready for the Upcoming Solar Eclipse Double Header! *West Virginia Science Teachers Association Annual Conference*.
- Kinghorn B. and **R.J. Haupt**. 2022. Free Opportunities for Teachers & Students by National Youth Science Foundation. *West Virginia Science Teachers Association Annual Conference*.
- Haupt, R.J.** and T.S. Dobbs. 2020. A Podcasters' Guide to Overcoming Audio Challenges: Best Practices for Sounding Your Best in our New Online Landscape. *American Geophysical Union Fall Meeting 2020, SY041: Science and Society: Science Communication Practice, Research, and Reflection II: SY041-13*.

- Haupt, R.J.** and M.T. Clementz. 2019. The best proxy for a proxy? Stable isotopic offsets from diet-to-feces in modern tree sloths shifts dietary interpretations of fossil ground sloths. *American Geophysical Union Fall Meeting 2019, Stable Isotopes in Feces: Proxies for Past and Present Climate, Diet, and Environment* (Session co-convener): PP42C-18
- Padilla, A.J. and **R.J. Haupt**. 2019. Using new audio media (podcasts) to build platforms that empower scientists to tell their own stories: Lessons learned from 10 years of “Science... sort of”. *American Geophysical Union Fall Meeting 2019*: PA11A-06
- Haupt, R.J.** 2019. Making space for ground sloths: Testing the potential for modern sloth stable isotope offsets to reinterpret ground sloth dietary ecology. *Society of Vertebrate Paleontology Romer Prize Session, 79th Annual Meeting*: 115-116
- Haupt, R.J.** 2018. Living things die, but if they get covered with rocks, sometimes much later we can find them and use them for learning new stuff and that’s pretty great. *American Geophysical Union Fall Meeting*: ED23B-15.
- Haupt, R.J.** and M.T. Clementz. 2018. Bone carbonate-collagen spacing of stable carbon isotope values in extant tree sloths and implications for the interpretations of ground sloth diet. *Society of Vertebrate Paleontology Abstracts of Papers, 78th Annual Meeting*: 143.
- Haupt, R.J.** 2017. The type of dog that came before dogs eats different types of food during different times of the year, and we can tell by looking at their teeth very very close up. *American Geophysical Union Fall Meeting*: ED13F-21.
- Haupt, R.J.** and M.M. Traer. 2017. InGen Inconsistencies: The “Dinosaurs” Of Jurassic Park May Not Be What The Corporation Claims. *American Geophysical Union Fall Meeting*: PA13C-0245.
- Traer, M.M., **Haupt, R.J.**, and E. Grubert. 2017. Stop saving the planet! Carbon accounting of superheroes and their impacts on climate change. *American Geophysical Union Fall Meeting*: PA13C-0240.
(Featured in *The Washington Post*: <http://wapo.st/2D9z5ym>)
- Haupt, R.J.**, and M.T. Clementz. 2017. Dental Microwear Texture Comparisons of Extinct Carnivorans to Extant Social Hypercarnivores, Solitary Carnivores, and Solitary Hypocarnivores. *Geological Society of America Abstracts with Programs*, 49(6): 84-51. (Student poster award winner see below)
- Haupt, R.J.**, Clementz, M.T., and R.N. Cliffe. 2017. Isotopic offsets between diet and hair and feces in extant sloths: implications for paleontological interpretations. *Society of Vertebrate Paleontology Abstracts of Papers, 77th Annual Meeting*: 126.
- Fraser, D.L., **Haupt, R.J.**, and A.W. Barr. 2017. Tooth wear dietary proxies show strong phylogenetic signal. *Society of Vertebrate Paleontology Abstracts of Papers, 77th Annual Meeting*: 115.
- Haupt, R.J.** 2016. Using very very tiny things that are a bit heavier than almost the same very very tiny things to understand much bigger things like animals. *American Geophysical Union Fall Meeting*, PA53B.
- Haupt, R.J.**, McDonald, H.G., and M.T. Clementz. 2016. Dietary preferences of the Shasta ground sloth (*Nothrotheriops shastensis*) inferred from stable isotope analysis of coprolites. *Society of Vertebrate Paleontology Abstracts of Papers, 76th Annual Meeting*: 150.
- Haupt, R.J.**, Clementz, M.T., DeSantis, L.R.G., and K. Fox-Dobbs. 2016. Inferring sociality in extinct Carnivorans from dental microwear textures: Lessons from bone consumption and pack status in modern Yellowstone wolves. *Geological Society of America Annual Meeting*, 48(7): 17-15.

- Haupt, R.J.**, DeSantis, L.R.G., and P.L. Koch. 2016. Health and hunting success in Florida Panthers (*Puma concolor coryi*) as revealed by stable isotope analysis and dental microwear textures. *Southeastern Association of Vertebrate Paleontologists Annual Meeting*: 19
- Haupt, R.J.**, Wheatley, P.W., Padilla, A., and C.J. Barnhart. 2015. The Success of Podcasting as a Success for Science Outreach. *American Geophysical Union Fall Meeting*, PA24A-04.
- Padilla, A., **Haupt, R.J.**, Wheatley, P.W., and C.J. Barnhart. 2015. Podcasting as an Effective Medium for Direct Science Communication and Outreach to the General Public. *American Geophysical Union Fall Meeting*, ED41B-06.
- Haupt, R.J.**, Meyer, H.W., O'Connor, C.J., Desai, D., and K.E. Hattori. 2015. Developing and delivering digital content through multiple media avenues and exhibits at Florissant Fossil Beds National Monument, Colorado. *Geological Society of America Annual Meeting*, No. 184-4.
- Haupt, R.J.**, Hastings, A.K., and M.T. Clementz. 2015. Quantitative analysis of fossil crocodylian teeth to identify a potential juvenile refuge or nesting ground in the Miocene of Panama. *Society of Vertebrate Paleontology Abstracts of Papers, 75th Annual Meeting*: 59
- Vietti, L.A., Kerr, T.J., **Haupt, R.J.**, and M.T. Clementz. 2015. Overview and Significance of the University of Wyoming Vertebrate Fossil Collection. *Society of Vertebrate Paleontology Abstracts of Papers, 75th Annual Meeting*: 59
- Haupt, R.J.**, Vietti, L.A., Kerr, T.J., and M.T. Clementz. 2015. Overview and significance of the University of Wyoming Paleozoic and Mesozoic Vertebrate and Invertebrate Fossils Collections. *Geological Society of America: Rocky Mountain Section - 67th Annual Meeting Abstracts with Programs* 47(6): 12.
- Kerr, T.J., Vietti, L.A., **Haupt, R.J.**, and M.T. Clementz. 2015. Overview and significance of the University of Wyoming Cenozoic Vertebrate Fossil Collection. *Geological Society of America: Rocky Mountain Section - 67th Annual Meeting Abstracts with Programs* 47(6): 12.
- Haupt, R.J.** and A.K. Hastings. 2015. Potential record of a Panamanian Miocene fossil crocodylian nesting ground at Hodge's Hill Microsite. *4th Meeting of the Network for Neotropical Biogeography Program and Abstracts*: 19.
- Haupt, R.J.** and L.R.G. DeSantis. 2014. Paleoeological insights from dental microwear textures of extinct xenarthrans during glacial and interglacial periods in Pleistocene Florida. *Society of Vertebrate Paleontology Abstracts of Papers, 74th Annual Meeting*: 144.
- Haupt, R.J.** 2014. Paleoeological insights from dental microwear of extinct xenarthrans. Smithsonian Tropical Research Institute Fellow and Interns Symposium.
- Haupt, R.J.** and DeSantis, L.R.G. 2013. Insights from Dental Microwear Texture Analysis into the Survival of Cougars (*Puma concolor*) through the Late Pleistocene Extinction. *Society of Vertebrate Paleontology Abstracts of Papers, 73rd Annual Meeting*: 140.
- Lashinsky, N., DeSantis, L.R.G., Yann, L.T., Donohue, S.L., and **R.J. Haupt**. 2013. Is Rappoport's rule a recent phenomenon? A deep time perspective on potential causal mechanisms. *Society of Vertebrate Paleontology Abstracts of Papers, 73rd Annual Meeting*: 159-160.
- Haupt, R.J.**, Eckrich, C.A., Pratt, A.C., Newsome, S.D., and D.G. Williams. 2013. Isotope ecology and inquiry-based learning using on-campus museum resources: examining niche partitioning between deer mice and greater sage-grouse in

Wyoming. *Front Range Isotope Day Annual Meeting*.

- Haupt, R.J.** and L.R.G. DeSantis. 2012. Integrating Dental Microwear Texture Analysis and Geochemical Data in an Extant Carnivore (*Puma concolor*): Lessons Learned from Modern Ecology of Applications to Paleocological Studies. *Society of Vertebrate Paleontology Abstracts of Papers, 72nd Annual Meeting*: 107.
- Haupt, R.J.** and L.R.G. DeSantis. 2012. Dentin as a dietary indicator in extant xenarthrans and its applicability to the fossil record. *Southeastern Association of Vertebrate Paleontologists Annual Meeting*.
- Haupt, R.J.**, DeSantis, L.R.G., and J.L. Green. 2011. Dental Microwear Texture Analysis of Dentin. *Society of Vertebrate Paleontology Abstracts of Papers, 71st Annual Meeting*: 33.
- Yann, L., **Haupt, R.J.**, DeSantis, L., Romer, J., and S. Corapi. 2011. Mammalian Oxygen Isotope Values as an Indicator of Regional Climatic Differences in the Pleistocene North America. *Society of Vertebrate Paleontology Abstracts of Papers, 71st Annual Meeting*: 44.
- Yann, L., **Haupt, R.J.**, DeSantis, L.R.G., Romer, J., and S. Corapi. 2011. Mammalian Oxygen Isotope Values as an Indicator of Regional Climatic Differences in the Pleistocene North America. *Southeastern Association of Vertebrate Paleontologists Annual Meeting*.
- Haupt R.J.**, Wheatley P.V., and C.J. Barnhart. 2010. Science Podcasting as a Means of Disseminating Current Peer-Reviewed Work to the Lay Public. *Society of Vertebrate Paleontology, Education & Outreach Abstracts*.
- Haupt R.J.**, Oliphant, D.Q., Zachos, J.C., Murphy, B.H., and C. Moore. 2009. Using the iPhone as a Brunton: Techniques and Applications. *Geological Society of American Annual Meeting Abstracts, 41(7)*: 277.

Society memberships

- **American Geophysical Union**, member since 2008
- **Geological Society of America**, member since 2009
- **Society of Vertebrate Paleontology**, member since 2012
- **Sigma Xi**, member since 2012
- **American Society of Mammalogists**, member since 2014
- **The Paleontological Society**, member since 2017
- **Geological Society of Washington**, member since 2017, Current Council Member
- **Association for Women Geoscientists**, member since 2018, founding member of our local D.C. chapter
- **American Association for the Advance of Science**, member since 2019
- **West Virginia Science Teachers Association**, member since 2022
- **Association of Science and Technology Centers**, member since 2023

Honors & Awards

- Donald Boyd Endowment for Graduate Studies in Geology & Geophysics, 2020: \$848.54
- Geological Society of Washington (GSW) Bradley Award for Best Paper, 2018
- GSW Sleeping Bear Award for Best Humorous Comment, 2018
- Paleontological Society Outreach and Education Grant, 2018: \$2,479.75
- Paleontological Society Graduate Student Poster Award, 2017: \$750
- Geology Industry Field Support for Students, 2016: \$734

- Geological Society of America (GSA) Annual Meeting Student Travel Grant, 2016: \$50
- W. E. Andrau Scholarship 2016/2017: \$1,000
- Winner of Experiment.com Paleontology Challenge Grant, 2016: \$1,000
- Experiment.com campaign (experiment.com/sloths), 2016: \$6,116
- American Geophysical Union Societal Impacts & Policy Travel Award, 2015: \$500
- GeoCorps Travel Grant for GSA Annual Meeting, 2015: \$100
- GSA Rocky Mountain Section Student Travel Grant, 2015: \$110
- Jackson School of Geosciences Student Member Travel Grant, 2014: \$600
- Sigma Xi Grant in Aid of Research, 2014: \$1,000
- GSA Graduate Student Research Grant, 2010: \$4,000.
- Weber-Holt Student Award for Field Study, 2009: \$500.

Outreach

- **AGU Voices for Science, Policy Track**, 2020-2021 cohort.
- **Story Collider** presenter, 2018. Viewable online here: <https://bit.ly/2QoqD7w>
- **AGU Sharing Science Webinars** on topics such as using sci-fi for outreach and the role of podcasting in communicating science, 2018.
- Judge at the **DC STEM Fair** to give out our Geological Society of Washington Special Award, 2018 & 2019.
- Registered scientist with **SciLine** (<https://www.sciline.org/>), a AAAS program to connect scientists with journalists, 2017 – Present.
- **Skype a Scientist** Participant (<https://www.skypeascientist.com/>), connects scientists with school teachers to do online Q&A's with their classrooms, 2018 – Present.
- **AGU representative** for 2015 and 2018 Geoscience Congressional Visit Day (<http://sciencepolicy.agu.org/cvd/>) with a follow up blog post (<http://bit.ly/1KUd3Xy>)
- Host of **Science... sort of** (<http://www.sciencesortof.com/>), an audio podcast available online worldwide. Total episodes available: 365, and total downloads from September 2009 – March 2024: 3.36 million
- Proofreader for the book **WTF, Evolution?!** (<http://amzn.to/2eipZxT>)
- 'Expert' for **Ask a Biologist** website (<http://www.askabiologist.org.uk/>), 2011 – 2016
- Writer for **Marvel.com**, using superheroes to explain real world science, 2010 - 2014
- **Cal Academy NightLife Science Insider** (<https://www.calacademy.org/nightlife>), Spring/Summer 2010