

Kelsie M. Fronheiser

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EDUCATION

Master of Environmental Science and Management, 3.81 GPA (Expected June 2021)

Bren School of Environmental Science & Management - University of California Santa Barbara

Specialization: Conservation Planning

Specialized Coursework: Conservation Planning Practicum, GIS, Landscape Ecology, Advanced Data, Environmental Negotiation, Monitoring & Evaluation, Environmental Justice

Bachelor of Science in Biology, 3.53 Cumulative GPA | 3.73 Biology GPA (May 2017)

Towson University, Maryland

Major Concentration: Organismal Biology & Ecology | Minor: Business Administration

Honors/Awards: Cum Laude, Dean's List (four semesters)

MASTER'S GROUP PROJECT

Primate Pathways: Combining Conservation and Community Empowerment (3/20-present)

Role: Data Manager | **Client: Strong Roots Congo**

- Built a connectivity model in ArcGIS 10.8 to determine priority areas for Grauer's gorilla movement between Kahuzi-Biega National Park & Itombwe Nature Reserve in Democratic Republic of Congo
- Conducted weighted-sum analysis to identify priority locations for conservation and restoration using connectivity, socioeconomic & climate change projection results
- Designed SeaSketch account and a Shiny application in RStudio to allow for future planning by Strong Roots and interactively present results to stakeholders

WILDLIFE AND ENVIRONMENTAL EDUCATION EXPERIENCE

Outreach & Data Intern - Strong Roots Congo, remote (6/20-present)

- Updated website to clearly articulate Strong Root's mission & current projects to the public
- Gathered & organized Grauer's gorilla data from Strong Roots projects & Gauer's gorillas, landscape, & climate data other sources

Naturalist - Marshy Point Nature Center, Middle River, MD (11/16-9/20)

- Plan, design & lead nature education programs for students & families with animal ambassadors & field exploration
- Oversee proper care of animal ambassadors, daily maintenance of nature center, exhibits & park

Teaching Assistant - Department of Geography (3-6/20), **Communication** (10-12/20), UCSB, CA

- Created, shared & graded online content for large classes of students in the forms of slides, readings, recordings, quizzes, essay questions, exams, etc
- Led virtual class sessions incorporating breakout rooms & encouraging participation

Environmental Educator - NorthBay Adventure, North East, MD (8/18-6/19)

- Taught environmental lessons & character building skills to grade school students
- Customized lesson plans to cater to learning styles of differing socioeconomic groups to help students best understand the content to achieve a level of care and interest in the environment

Wildlife Volunteer - Wildlife ACT, Zululand, South Africa (10/17)

- Monitored & tracked endangered wildlife using radio telemetry and camera traps
- Analyzed quantitative field data

Animal Rescue Program Intern - National Aquarium, Baltimore, MD (1/16-7/16)

- Rehabilitated sea turtles/seals; prepared & fed diets, administered medication, obtained weight/length measurements, monitored temperature/pH, recorded behavioral observations/respiration rates

LEADERSHIP EXPERIENCE

Co Officer (Restoration) - Bren School Sustainability Committee, UCSB, CA (10/20-present)

- Spearhead Bren student restoration events with local community organizations while adhering to Covid-19 precautions
- Coordinate club events, meetings, roles, & responsibilities with two fellow officers

San Clemente Coordinator - Apartment Compost Initiative, UCSB, CA (5/20-present)

- Design outreach material to promote communal knowledge of & participation in composting
- Lead workshops & events in San Clemente Village to secure prospective composters while adhering to Covid-19 precautions

Volunteer Coordinator - Chesapeake Feline Association, North East, MD (1/18-present)

- Manage volunteers; training new volunteers, organizing monthly schedules, filling vacancies, & communicating updates to ensure the highest level of care for rescue cats
- Serve as point of contact and liaison between Petco, rescue management, & volunteers

Vice President of Academics - TriBeta Biological Honor Society, Towson University, MD (12/15-5/17)

- Planned & led career workshops, group volunteer efforts, fundraising events, & induction ceremonies
- Managed communication & resolved conflicts with students

Webmaster - Tigers for Tigers, Towson University, MD (5/16-5/17)

- Authored content to T4T website & monthly blog
- Raised awareness about tiger conservation through outreach events for a college audience

SKILLS & CERTIFICATIONS

Computer & Software: Slack, Microsoft Office (Word, PowerPoint, Excel), Google (Docs, Slides, Sheets), GitHub, Zoom, ArcGIS, QGIS, R, R-Studio, R-Markdown, MaxEnt, Circuitscape, LANDIS-II

Certifications: PSAI Open Water Diver, MDNR Boating Safety, ACA Canoe Instructor, CPR & First AID