

Samuel C. Evans

PhD Student, Department of Zoology, University of British Columbia
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EDUCATION

University of Akron, Akron, Ohio, USA

MSc. (2013) Biology

Miami University, Oxford, Ohio, USA

BSc. (2010) Zoology, Environmental Science; minor in Statistical Methods

PROFESSIONAL BACKGROUND

University of British Columbia (Jan 2014 to present)

Graduate Teaching and Research Assistant

University of Akron (Aug 2010 to Dec 2013)

Graduate Teaching and Research Assistant

Research Mentor: STEM Tiered-Mentoring; Research Experience for Undergraduates (REU)

Rice University (May-Aug 2012)

Research Technician and Laboratory Manager

The School for Field Studies (via *Boston University*), northern Tanzania (Feb-May 2008)

Student and Field Research Assistant, Centre for Wildlife Management Research

Miami University (Jan 2006 to Aug 2010)

Ethology Lab Manager (beginning May 2008)

Undergraduate Researcher (beginning Jan 2006)

SKILLS AND EXPERTISE

Computer: Java, R, Python languages; Linux/Unix commands; hardware assembly and maintenance

Lab: spider and insect rearing, identification, mounting, preservation; DNA extraction, PCR;

biomaterials synthesis (electrospinning) and mechanical testing (Nano Bionix®);

digital automated tracking systems (Videomex-V, EthoVision® XT), imaging, micrometry

Field: arthropod sampling methods; pesticide prep, application (glyphosate, K-fatty acids, pyrethroids);

general greenhouse management; radio telemetry, GPS applications

RESEARCH EXPERIENCE

systematics, phylogenetics, and taxonomy of jumping spiders

evolutionary ecology of grass-endophyte symbioses

long-term evolutionary ecology experiments regarding adaptive introgression in sunflower populations

evolutionary ecology and biomechanics of orb spider webs

behavioral ecology of wolf spiders and ground beetles as influenced by interspecific cues and herbicide

BROADER RESEARCH INTERESTS

informatics, statistics and experimental design, evolution of information processing and transfer