

Julia Janicki

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Education

M. S. Entomology

UW-Madison 2011-2014

(GPA 3.878, Entomology GPA 4.0)

Thesis: A survey of the Primitive

Weevil in Wisconsin

Grants: Prairie Biotic Research Grant

B. S. Conservation Biology &

Japanese

UW-Madison 2006-2010

(GPA 3.886)

Honors: Phi Beta Kappa

Japanese Language Program

Keio University 2009

(GPA 4.0)

Scholarship: Mongukagakusho

(MEXT) Japanese Government

Scholarship

Employment History

Computing Technician Okinawa Institute of Science and Technology, Okinawa Japan *August 2015 – Present*

I create and manage databases; develop and maintain websites, web applications and interactive visualizations; use the CT scanner for specimen-scanning, post process with 3D software and 3DPDF generation; prepare molecular plates of ant specimens for sequencing; train and assist other people in lab with various software; and post-process of graphics.

Technology used: HTML, CSS, Javascript, jQuery, D3, PostgreSQL, PostGIS, psql, Navicat, Wordpress, Wordpress Theme Development, Amira, Meshlab, Tetra4D, Adobe Illustrator

Biodiversity & Biocomplexity Intern (UI/UX) Okinawa Institute of Science and Technology *January-July 2015*

I created low-fi and high-fi prototypes; designed and coded an interactive web-mapping application (antmaps.org) to visualize the GABI database; refined and evaluated applications at all stages by conducting usability testing; maintained a wordpress website; maintained a database, imported/exported, organized and cleaned up data.

Technology used: HTML, CSS, Javascript, jQuery, D3, Leaflet, Django, PostgreSQL, PostGIS, psql, Wordpress

Web Designer The Artillery SF, San Francisco CA *September 2014-January 2015*

I created prototypes, and designed, coded and maintained various websites.

Technology used: HTML, CSS, Javascript, jQuery, Wordpress, Shopify, Cyberduck

Teaching Assistant (Introduction to Entomology) UW-Madison, Madison WI *September 2011-May 2014*

I gave lectures on insect taxonomy, external and internal morphology and anatomy, metamorphosis, and natural history; I assisted students in hands-on insect taxonomy at lab; I substituted for my professor and gave lectures; and I proctored exams.

Field Assistant (Karner Blue Butterfly) Wisconsin Department of Natural Resources, Madison WI *summer 2010*

Lab & Research Assistant (Hotchkiss Paleoecology Lab) UW-Madison, Madison, WI *January 2008 – May 2010*

Animal Related Experiences

Field Assistant Sea Turtle Association of Japan, Okinawa, Japan *2016*

Field Assistant Wider Caribbean Sea Turtle Conservation Network, Cahuita NP, Costa Rica *summer 2008 (120 hours)*

Volunteer Wisconsin Humane Society Milwaukee Campus *2006 January- July (120 hours)*

Veterinary Experiences

Veterinarian Observation Wildwood Veterinary Hospital, Redwood City, CA *summer 2015 (60 hours)*

Veterinarian Observation Endemic Species Research Institute's Wildlife Emergency Center, Nantou, Taiwan *summer 2009 (250 hours)*

Other Volunteering Experiences

GIS Data Consultant Legal Atlas, (Remote) *November 2015- present*

Webmaster Northwest Partners in Amphibian and Reptile Conservation, (Remote) *May 2015 – present*

Research Assistant (Endangered invertebrate species research) The Xerces Society, Portland, OR *Sept-Dec 2010*

Research Assistant (Wisconsin-endemic dragonfly species research) Wisconsin Department of Natural Resources, Madison WI *January-May 2009*

Field Assistant Pacific Whale Foundation, Puerto Lopez, Ecuador *summer 2008*

Publications

Janicki J, G Guo, M Conway, R Donohue, and RE Roth. 2014. Weevil Viewer: An interactive mapping application for geographic and phenological exploration of Wisconsin's primitive weevils. *The Journal of Maps*. 10(2): 289-296.

Roth RE, SJ Young, C Nestel, B Davidson, J Janicki, V Knoppke-Wetzel, F Ma, R Mead, C Rose, and G Zhang. 2015. Global Madison: Usability evaluation of an adaptive mobile map supporting situated learning of globalization. In: *Proceedings of the 27th International Cartography Conference*. Rio de Janeiro, Brazil: August 23-28.

Janicki J, N Narula, M Ziegler, B Guénard and E Economo. Submitted. Visualizing and interacting with large-volume biodiversity data using client-server web mapping applications: The design and implementation of antmaps.org. *Ecological Informatics*.

Posters

Janicki, J and DK Young. 2013. A Survey of the Primitive Weevils of Wisconsin (Coleoptera: Nemonychidae, Anthribidae, Attelabidae, and Brentidae) Entomological Society of America Annual Meeting 2013. Austin, TX.

Janicki, J. 2014. Visualizing Biodiversity Data with Web Applications. Entomological Society of America Annual Meeting 2014. Portland, OR.

Talks

Sack C and J Janicki. 2014. A Mobile Situated Learning Module using Open Source Geoweb Technology. FOSS4g International Meeting 2014. Portland, OR.

Janicki, J and DK Young. 2014. A Survey of the Primitive Weevils of Wisconsin (Coleoptera:Orthoceri). Entomological Society of America Annual Meeting 2014. Portland, OR.

Technical Proficiencies

Programming Languages

Javascript, SQL, PHP, Python, Java, MATLAB

Web Development

HTML, CSS, Bootstrap, NodeJS, Express, ProcessingJS, Django, Wordpress, Shopify

Javascript Libraries

jQuery, D3, Leaflet, Underscore

Mapping/ GIS software

ArcGIS, MapShaper, ShapeEscape, TileMill, geojson.io

Database

Specify6, PostGreSQL, PostGIS

Design Software

Adobe Photoshop, Adobe Illustrator

Editing Software

Adobe Premiere Pro, Final Cut Pro

3D Software

Amira, Meshlab, Tetra4D

Language Skills

English native

Mandarin Chinese native

Japanese JLPT level 1

French proficient

References

Dr. Daniel K.Young [Entomology,UW-Madison](mailto:young@entomology.wisc.edu) young@entomology.wisc.edu

Dr. Robert Roth [Cartography,UW-Madison](mailto:roth@wisc.edu) roth@wisc.edu

Dr. Tim Allen [Ecology,UW-Madison](mailto:tallen@wisc.edu) tfallen@wisc.edu

Dr. Steven Ridgely [Japanese Literature and Culture,UW-Madison](mailto:sridgely@wisc.edu) sridgely@wisc.edu

Dr. Evan Economo [Biodiversity and Biocomplexity, OIST](mailto:evaneconomo@gmail.com) evaneconomo@gmail.com