
Scott Chamberlain

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Biology Department
Simon Fraser University
8888 University Drive
Burnaby, BC, Canada

Education

Rice University, Houston, TX

Ph.D in Ecology & Evolutionary Biology, 2012

Rice University, Houston, TX

M.A. in Ecology & Evolutionary Biology, 2009

California State University, Chico, CA

B.S. in Biological Sciences, 2003

Programming

Code: See my code at <https://github.com/sckott> and many contributions at <https://github.com/ropensci>

R: Developed R software for 8 years, for research projects, and as packages (see them on GitHub at <https://github.com/sckott>).

Python: Programmed in Python for 1.5 years. Writing a Python package for getting taxonomy data from the web *pytaxize* (<https://github.com/sckott/pytaxize>).

Ruby: Programmed in Ruby for 1 year. Deployed an app <http://rodash.herokuapp.com/roapi> to monitor the many web APIs that we at rOpenSci consume, and wrote a Ruby package *cites* (<https://github.com/sckott/cites>) to search articles, and get references.

HTML/CSS: Use HTML often for websites, and customize CSS. Create software tutorials with HTML, CSS, and Javascript.

Databases: Use many databases, including SQL (MySQL, SQLite) and NoSQL (CouchDB).

Work Experience

Simon Fraser University - 2012-present - PostDoctoral Researcher

Built and maintained a SQL database containing data from a large network of dozens of researchers. Synthesizing data from a research network across Canada to answer questions about pollinator communities, leading to four peer-reviewed papers.

rOpenSci - 2011-present - Co-founder

Co-founded a developer collective to make R software to facilitate use of open source journals and data sets.

Received a \$160,000 grant in June 2012. Website: <http://ropensci.org/>; Code: <https://github.com/ropensci>.

Dittes and Guardino Consulting - 2003-2005 - Environmental Consultant

Carried out plant surveys for the USDA Forest Service prior to awarding contracts to logging companies. Prepared environmental management plans for municipalities. Performed GIS data collection in the field, and created maps using ArcGIS and related software.

Activities

[DataONE - Community Education and Engagement Working Group](#), 2012-present

British Ecological Society (BES) Digital Strategy Working Group, 2012-present

Board Member, Friends of Bidwell Park Board of Directors, Chico, California, 2004-2005

Honors

Sixteen peer-reviewed publications in top journals in my field (S.A. Chamberlain)

Public Library of Science & Mendeley Binary Battle - 3rd place in code competition, 2012

Lodieska Stockbridge Vaughn Fellowship, 2010-2011

Prairie Biotic Research, Inc. Grant, 2010

National Science Foundation REU (Research Experience for Undergraduates), CSU, Chico, 2002