Scott Chamberlain

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Education

- 2012 Ph.D Dept. of Ecology & Evolutionary Biology, Rice University
- 2009 M.A. Dept. of Ecology & Evolutionary Biology, Rice University
- 2003 B.S. Biological Sciences, California State University

Programming

- Code: github.com/sckott
- **R** Developed R software for 8 years, for research projects, and as packages (see them on GitHub).
- **Python** Programmed in Python for 1.5 years. Writing a Python package for getting taxonomy data from the web pytaxize.
- **Ruby** Programmed in Ruby for 1 year. Deployed an app to monitor the many web APIs that we at rOpenSci consume, and wrote a Ruby package doiref to search articles, and get references.
- **HTML/CSS** Use HTML often for websites, and customize CSS.
- **Databases** Use many databases, including SQL (MySQL, SQLite, PostgreSQL) and NoSQL (CouchDB).

Work Experience

- **rOpenSci** *2011-present. Co-founder.*

Co-founded a developer collective to make R packages to facilitate use of open source journals and data sets. Website; Code. Recieved a $160,000 grant in June 2012. Use R heavily for software development. Maintain software tutorials with HTML, CSS, and Javascript. rOpenSci is now housed within UC Berkeley.

- **Simon Fraser University** *2012-2014. PostDoctoral Researcher.*

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

- **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 managagment plans for muncipalities. Performed GIS data collection in the field, and created maps using ArcGIS and related software.

Honors and Publications

- Sixteen peer-reviewed publications in top journals in my field.
- 2012 Public Library of Science & Mendeley Binary Battle - 3rd place in code competition ($1,000)
- 2010-2011 Lodieska Stockbridge Vaughn Fellowship
- 2010 Prairie Biotic Research, Inc. Grant ($896)
- 2002 National Science Foundation REU (Research Experience for Undergraduates), CSU, Chico ($3,000)

Activities

- 2012-2014 DataONE - Community Education and Engagement Working Group
- 2012-2013 British Ecological Society (BES) Digital Strategy Working Group
- 2004-2005 Board Member, Friends of Bidwell Park Board of Directors, Chico, California. Advocacy for sound environmental stewardship of parks.