

# Scott A. Chamberlain

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## **SKILLS**

- Python: 8 years experience. Maintaining a few Python packages on PyPi. Flask. Async.
- Javascript: a few years experience, particularly Vue.js
- Ruby: 7 years experience. Maintain 3 Ruby packages. Created many REST APIs with Sinatra.
- R: 17 years experience, research projects and packages. Created over 100 R packages.
- Databases: SQL/SQL-like (BigQuery, Redshift, MySQL, MariaDB, SQLite, PostgreSQL), document DBs (MongoDB, CouchDB), key-value stores (Redis).
- Cloud platform experience: AWS, DigitalOcean, Heroku, Google Cloud Platform
- Cloud data tools: Prefect, Dagster, Xplenty/Integrate.io, Sentry.

## **WORK EXPERIENCE**

**Oct 2023 – present**                      **Fred Hutch Cancer Center, Software Engineer**  
Working in the Fred Hutch Data Science Lab.

**Nov 2022 – Aug 2023**                      **Deck, Senior Data Engineer**

Deck tells Democratic campaigns who to reach and how to win.

- Manage data orchestration tooling, using Python, deployed on Prefect.
- Developed and maintain tooling for testing data pipelines

**August 2021 – Nov 2022**                      **OurResearch, Principal Software Engineer and Product Owner**

OurResearch is a non-profit that builds tools to make scholarly research more open and reusable.

- Principal Software Engineer and Product Owner of Unsub ([unsub.org](https://unsub.org)) - a web application to help university librarians evaluate research journal access and costs.
- Developed Unsub alone, including: front- (Vue.js) and back-end (Python Flask), database (Redshift), ETL work (Xplenty, Heroku scheduled scripts, Zapier, Bash scripts), sales, demos, account management (Hubspot, Intercom), privacy policy development together with a lawyer.

**June 2014 – July 2021**                      **rOpenSci, Co-Founder**

rOpenSci is a non-profit whose mission is to facilitate reproducible research.

- Along with rest of leadership team, deciding on vision and focal areas
- Maintained dozens of R packages to help researchers do more reproducible research.
- Developed infrastructure for software review; editor/reviewer for code submitted to rOpenSci.
- Authored hundreds of blog posts on the [rOpenSci blog](#) and my [personal blog](#). Compiled and distributed the [rOpenSci newsletter](#) for 6 years. Co-authored a [book on HTTP testing in R](#).

**June 2016 – Jan 2021**                      **Open Knowledge Maps, Backend Volunteer Contributor**

[Open Knowledge Maps](#) is a visual interface to the world's scientific knowledge.

- Worked with a team using agile processes to maintain integration with many 3<sup>rd</sup> party APIs

**May 2012 – April 2014**   **Simon Fraser University, Postdoctoral Scholar**

- Curated SQL database with data from dozens of researchers across Canada.
- Synthesized data to answer questions about pollinators, leading to 3 peer-reviewed papers.

## **EDUCATION**

**2012**   **Ph.D.**, Ecology & Evolutionary Biology, Rice University

**2003**   **B.S.**, Biological Sciences, California State University, Chico