

OVERVIEW

- Scientist, open-source software developer, and community manager.
- Superb English writing and editing skills, especially on technical topics.

Currently I develop research software for neuroscience at the University of Washington’s [Institute for Learning & Brain Sciences](#), and lead the developer and user communities of [MNE-Python](#).

SELECTED TECHNICAL SKILLS

- Programming in various languages (excellent Python; good R, okay JavaScript).
- Collaborating with git/GitHub, Trello, Slack, Discourse, Discord, and similar tools.
- Designing documents (with code) using Sphinx, Pandoc, Markdown, HTML, L^AT_EX, etc.

SELECTED WORK EXPERIENCE

- (2022-present) Research Scientist 4, [I-LABS](#), U. Washington.
- (2019-2022) Research Scientist 3, [I-LABS](#), U. Washington.
- (2013-2018) Postdoctoral Researcher (psychophysics/auditory neuroscience), [LABS^N](#), U. Washington.
- (2008-2013) Graduate research/teaching assistant, [Phonetics Lab / Linguistics Dept.](#), U. Washington.

SELECTED EDUCATION & TRAINING

- PhD in Linguistics (2013), BS in Neurobiology & BA in Philosophy (2002), all at U. Washington.
- International Chinese Language Program (National Taiwan University, 2008).
- Software Carpentry Instructor Certification (Oregon State University, 2016).
- Community Engagement Fundamentals (2023); Creating Community Playbooks (2025).

TEACHING EXPERIENCE

- Lead Mentor: MNE-Python New Developers Sprint ([2021](#), [2022](#)) and Intermediate Training ([2023](#)).
- Instructor: 10× git/Unix/Python/R workshops at [UW eScience](#), [BRI](#), and [UMN](#) (2016-2024).
- Instructor: 2× Phonetics (senior-/graduate-level, U. Washington, 2010-2011).
- Teaching Assistant: 4× Introduction to Linguistics (sophomore-level, U. Washington, 2008-2009).
- Instructor: 2× “New Majors” proseminar in Philosophy (freshman-level, U. Washington, 2001-2002).

SCHOLARLY OUTPUT

16 Peer-reviewed articles (6 first-authored), 3 invited talks, 4 conference proceedings, 1 technical report, 14 conference presentations, 1 preprint. [Full list here](#), [comprehensive BibTeX here](#).

SELECTED SOFTWARE

- Leader ([Steering Council Chair](#)) of [MNE-Python](#): human neurophysiology analysis. ([repo](#) | [PyPI](#))
- Maintainer of [PyData Sphinx Theme](#): theme for software documentation websites. ([repo](#) | [PyPI](#))
- Creator of [phonR](#): phonetic analysis & visualization in R. ([repo](#) | [CRAN](#))

SELECTED SERVICE, MENTORSHIP & OUTREACH

- Reviewer: 21 articles for 12 different academic journals (2007-2025).
- Review Panelist: National Science Foundation – POSE (2022).
- Member: LSA Committee on Scholarly Communication in Linguistics (2014–2018).
- Volunteer: Pacific Science Center’s [Paws On Science Weekend](#) (2016).

SELECTED GRANTS, FELLOWSHIPS, AND AWARDS

- 1 grant from US National Science Foundation, total \$499,717 (2025-2027).
- 2× grants ([1](#), [2](#)) from CZI Essential Open Source Software for Science, total \$420,000 (2020-2023).
- NIH LRP award (2014–2016).
- FLAS fellowship, Modern Standard Chinese, U.S. Department of Education (2007–2008).