

Catherine Arnett

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EDUCATION

| | |
|-----------------------|---|
| Present Sep 2019 | PhD Candidate, Linguistics with Computational Social Science, UC SAN DIEGO, <i>La Jolla, California, USA</i> Committee: Farrell Ackerman (chair), Benjamin Bergen, Victor Ferreira, Leon Bergen |
| July 2018 Sep 2014 | M.A. Chinese and Linguistics (First Class Honours), UNIVERSITY OF EDINBURGH, <i>Edinburgh, UK</i> |
| Jul 2017 SEP 2016 | Language Student, ZHEJIANG UNIVERSITY, <i>Hangzhou, P.R. China</i> Year abroad, full-immersion, intensive Mandarin Chinese language program. |

TEACHING AND OUTREACH

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| Present Aug 2022 | Graduate Teaching Consultant for International Instructors, ENGAGED TEACHING HUB, UC SAN DIEGO Instructing incoming international graduate students in teaching skills, subject-specific English, and anti-racist pedagogy. |
| Summer 2023 | Instructor of Record, LIGN 170: Psycholinguistics UCSD LINGUISTICS |
| Sep 2022 | Author and Subject-Matter Expert, Cognitive Foundations, an open Textbook Update and rewrite portions of the <i>Language</i> chapter for an open source textbook using bookdown in R. |
| June 2022 Sep 2019 | Graduate Student Teaching Assistant at UC SAN DIEGO Teaching Assistant for LIGN 101: Introduction to Language (Fall 2020-Spring 2022), LIDS 19: Independent Language Study (Winter 2020-Spring 2020); and LIGN 170: Psycholinguistics (Fall 2019) |

PUBLICATIONS

1. James A. Michaelov*, **Catherine Arnett***, Tyler A. Chang, Benjamin K. Bergen (2023). [Structural priming demonstrates abstract grammatical representations in multilingual language models](#). Long paper, *The 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP)*. Singapore. *equal contribution
2. **Catherine Arnett** (2019). [Pathways of Change in Romance Motion Events: A Corpus-based Comparison](#). *Proceedings of the Thirtieth Western Conference on Linguistics (WeCOL)*. Vol 23. Fresno, CA.

MANUSCRIPTS

1. Tyler A. Chang, **Catherine Arnett**, Zhuowen Tu, Benjamin K. Bergen (under review). [When Is Multilinguality a Curse? Language Modeling for 250 High- and Low-Resource Languages](#). arXiv preprint arXiv:2311.09205.

PRESENTATIONS

1. **Catherine Arnett**, Tyler A. Chang, James A. Michaelov, and Benjamin K. Bergen (2023) [Crosslingual Structural Priming and the Pre-Training Dynamics of Bilingual Language Models](#). *The 3rd Workshop on Multilingual Representation Learning co-located with EMNLP 2023*. Singapore.
2. **Catherine Arnett** & Maho Takahashi (2022). Creating a Baseline to Evaluate Correlations Between Language and Environment. *Machine Learning and the Evolution of Language*. Kanagawa/online. [\[abstract\]](#) [\[poster pdf\]](#)
3. **Catherine Arnett** & Eva Wittenberg (2020). Multiple Meanings of Doubling Up: Mandarin Verbal Reduplication. *The 26th Architectures And Mechanisms for Language Processing Conference (AMLaP)*. Potsdam/online. [\[poster pdf\]](#)
4. **Catherine Arnett** & Eva Wittenberg (2020). Conceptual Effects of Verbal Reduplication in Mandarin Chinese. *North American Conference on Chinese Linguistics 32*. Storrs, CT/online.
5. **Catherine Arnett** & Eva Wittenberg (2019). Conceptual Effects of Verbal Reduplication in Mandarin Chinese. California Meeting on Psycholinguistics. Santa Cruz, California. [\[Poster pdf\]](#)
6. **Catherine Arnett** (2018). Diachronic study of the typology of motion verbs in the Romance languages. Undergraduate Linguistics Association of Britain Conference, University of Edinburgh.

SCHOLARSHIPS AND FUNDING

| Year | Amount | Source |
|-----------|-----------|--|
| 2023 | \$300 | GPSA Travel Grant Award, UCSD |
| 2023 | \$500 | Linguistics Department Anti-Racist Pedagogy Micro-Fellowship |
| 2023 | \$1,000 | Summer Graduate Teaching Scholar, UCSD |
| 2022 | \$6,000 | LaVerne Noyes Foundation Endowed Fellowship, UCSD |
| 2022 | \$9,000 | Academic Senate Grant, UCSD |
| 2020 | \$2000 | Friends of the International Center Fellowship, UCSD |
| 2020 | \$500 | Graduate Student Association Travel Grant, UCSD |
| 2018 | £250 | Student Opportunity Fund, University of Edinburgh |
| 2016-2017 | £5,000 | Eric Liddell China Saltire Scholarship |
| 2014-2018 | \$ 37,000 | St. Andrews Society of North Carolina Scholarship |

SKILLS

Languages | English - Native | Mandarin - Fluent | Spanish - Fluent

Coding | **R/RStudio** (tidyverse, lme4, bookdown), **Python** (pandas, matplotlib, seaborn, numpy, BeautifulSoup), basic SQL, basic HTML, markdown, **L^AT_EX**

Software | Google Suite, Microsoft Office Suite, Adobe CC, Slack, Zoom, GitHub

Interests | Psycholinguistics, cognitive linguistics, corpus work, large language models, morphology, morphosemantics interface, quantitative methods

CERTIFICATIONS

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| 2019-2022 | Citi Program Social and Behavioral Research Best Practices for Clinical Research |
| 2017 | HSK 5 Certification |

SERVICE

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| 2020 | Reviewer, Undergraduate Linguistics Association of Britain |
| 2019-2020 | Linguistics Department Representative, Graduate and Professional Student Association |

COMMITTEE MEMBER

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| Yuhan Fu | Cognitive Science B.S. Honors Thesis | Spring 2024 |
| | “Is There Evidence for Embodied Simulation During Language Translation?” | |

MENTORING

Masters Students

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|----------------|-------------------------------------|-----------------------|
| Adelle Engmann | Computational Social Science Mentee | Fall 2023 - |
| Xinyao Yi | Computational Social Science Mentee | Fall 2022 - Fall 2023 |

Undergraduate Students

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| Sidney Ma | Undergraduate Research Assistant | Winter 2024 - |
| Gwen O'brien | Undergraduate Research Assistant | Winter 2024 - |
| Stephanie Huang | Undergraduate Research Assistant | Winter 2024 - |
| Nattida Neal | Undergraduate Research Assistant | Winter 2024 - |
| Sarah Yu | Undergraduate Research Assistant | Fall 2023 - |
| Livia Zhou | Undergraduate Research Assistant | Fall 2023 |
| Yoyo Wu | Undergraduate Research Assistant | Fall 2023 |
| Hera Wetzel | Co-Mentored with Olivia Griffin | Spring 2023 - Spring 2023 |
| Vivi Spann | Co-Mentored with Olivia Griffin | Spring 2023 - Spring 2023 |
| Alexandra Ricasata | Co-Mentored with Olivia Griffin | Spring 2023 - Spring 2023 |
| Valerie Yamada | Co-Mentored with Olivia Griffin | Spring 2023 - Spring 2023 |
| Arianna Runyan | Co-Mentored with Olivia Griffin | Winter 2023 - Spring 2023 |
| Isabella Ordonez | Co-Mentored with Olivia Griffin | Winter 2023 - Spring 2023 |
| Jerry Ruiz | Co-Mentored with Olivia Griffin | Winter 2023 - Spring 2023 |
| Jesus Magana | Co-Mentored with Olivia Griffin | Winter 2023 - Spring 2023 |
| Lily Binoya | Co-Mentored with Olivia Griffin | Winter 2023 - Spring 2023 |
| Talon Casey | Co-Mentored with Olivia Griffin | Winter 2023 - Spring 2023 |
| Jiawei Lyu | Undergraduate Research Assistant | Spring 2023 - Spring 2023 |
| Jason Tran | Undergraduate Research Assistant | Winter 2023 - Spring 2023 |
| Emily Xu | Undergraduate Research Assistant | Fall 2022, Spring 2023 - Fall 2023 |
| Tiffany Wu | Undergraduate Research Assistant | Fall 2022 - Winter 2023 |
| Fiona Tang | Undergraduate Research Assistant | Fall 2022 - Spring 2023 |
| Jane Yang | Undergraduate Research Assistant | Winter 2020 - Spring 2022 |
| Annabelle Chang | Undergraduate Research Assistant | Fall 2019 - Winter 2021 |
| Jessica Luo | Undergraduate Research Assistant | Fall 2019 - Winter 2021 |
| Ruoqi Wei | Undergraduate Research Assistant | Fall 2019 - Winter 2021 |
| Zhiyi Li | Undergraduate Research Assistant | Winter 2020 - Winter 2021 |
| Xutong Zhang | Undergraduate Research Assistant | Fall 2020 - Winter 2021 |

Rebecca Xu

Undergraduate Research Assistant

Fall 2019 - Winter 2020

MEMBERSHIPS

2023 | Association for Computational Linguistics