

Yang Wang [jǎŋ³⁵ wǎŋ³⁵]

Department of Linguistics
University of California, Los Angeles
3125 Campbell Hall

Los Angeles CA, 90095, U.S.A.
Email: yangwangx@g.ucla.edu
URL: <https://yangwangthelinguist.github.io/>

Education

- 2021 - **University of California, Los Angeles**
Ph.D. in *Linguistics* Advanced To Candidacy (Dec 09 2022)
Tentative title: Studies in morpho-phonological copying: Formal analyses, experimentation, and modeling
Committee: Tim Hunter (co-chair), Bruce Hayes (co-chair), Kie Zuraw, Claire Moore-Cantwell, Colin Wilson (external)
- 2019 - 2021 **University of California, Los Angeles**
M.A. in *Linguistics*
Thesis: [Regular languages extended with reduplication: Formal models, proofs and illustrations](#)
Committee: Tim Hunter (chair), Bruce Hayes, Dylan Bumford
- 2015 - 2019 **University of California, Los Angeles**
BACHELOR OF ARTS AND SCIENCE *Cum Laude*
Major in *Mathematics of computation*
Major in *Linguistics*
- NON-DEGREE TRAINING
- 2023 *Summer School on Statistical Methods for Linguistics and Psychology*; Advanced Bayesian with Stan
University of Potsdam
- 2023 *LSA Summer Institute*; University of Massachusetts, Amherst
- 2021 *European Summer School in Logic, Language and Information*; Held virtually
- 2019 *European Summer School in Logic, Language and Information*; University of Latvia
- 2019 *LSA Summer Institute*; University of California, Davis

Publications

(= indicates alphabetically-ordered authors.)

PEER REVIEWED JOURNAL ARTICLES & PROCEEDINGS

- 2023 **Wang, Yang** & Tim Hunter. [On regular copying languages](#). *Journal of Language Modelling*. 11(1): 1–66
- 2021 **Wang, Yang**. [Recognizing reduplicated forms: Finite-State Buffered Machines](#). In *Proceedings of the 18th SIGMORPHON Workshop on Computational Research in Phonetics, Phonology, and Morphology*, 177–187, Online. Association for Computational Linguistics.

WORK IN PROGRESS

- In revision **Wang, Yang** & Bruce Hayes. Learning underlying representations: The role of abstractness. *Linguistic Inquiry*.
- In prep **Wang, Yang** & Colin Wilson. Inductive bias in learning partial reduplication: Evidence from artificial grammar learning.

BOOK CHAPTER

- Contracted = **Wang, Yang** & Colin Wilson. “Maximum Entropy models”. In Adam Jardine and Paul de Lacy (eds.) *Cambridge Handbook of Phonology*, 2nd edition.

Presentations

(* indicates the presenter if multiple authored)

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| Jan 2024 <i>planned</i> | Yang Wang . What does formal language theory tell us about the nature of reduplication? Talk to be presented at the session on Formal Language Theory in Morphology and Phonology, 97th Annual Meeting of the Linguistic Society of America, New York, NY. |
| Oct 2022 | Wilson, Colin & Yang Wang* . Inductive bias in learning partial reduplication: Evidence from artificial grammar learning. Slides of a talk given at the Annual Meeting on Phonology. UCLA, Los Angeles, CA. |
| Oct 2022 | Wang, Yang* & Bruce Hayes*. Learning underlying representations: Expectation-maximization and the KK-Hierarchy. Poster presented at the Annual Meeting on Phonology. UCLA, Los Angeles, CA. |
| Oct 2021 | Wang, Yang . A formal model for recognizing reduplication. Poster presented at the Annual Meeting on Phonology. Online, hosted by the University of Toronto and York University. |
| August 2021 | Wang, Yang . Adding reduplication to finite-state machinery. Slides of a talk given at the 32nd ESSLLI Student Session. Online. |
| August 2021 | Wang, Yang . Recognizing Reduplicated Forms: Finite-State Buffered Machines. Slides of a talk given at the 18th SIGMORPHON. Online. |

Fellowships, Honors & Awards

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| 2023-2024 | Dissertation Year Fellowship (\$20,000), UCLA Graduate Division |
| 2022 Summer | Graduate Summer Research Mentorship (\$6,000), UCLA Graduate Division (Supervisor: Tim Hunter) |
| 2020-2021 | Edward L. Keenan Mathematics & Language Graduate Fellowship (\$3950) |
| 2019 | Graduate Dean's Scholar Award (\$14,500) <i>with two years of summer funding</i> |
| 2019 - 2020 | Friends of Linguistics Scholarship (\$15,000), UCLA Linguistics department |
| 2019 | Departmental Honors, UCLA Linguistics department |
| 2019 | Phi Beta Kappa, UCLA |

Teaching

INSTRUCTOR

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| 2023 Summer | Ling 185A: Computational Linguistics I |
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TEACHING ASSISTANCE

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| 2024 Spring | Ling 119A: Applied Phonology | <i>Planned</i> |
| 2023 Spring | Ling 185B: Computational Linguistics II (Instructor: Tim Hunter) | |
| 2023 Winter | Ling 185A: Computational Linguistics I (Instructor: Dylan Bumford) | |
| 2022 Fall | Ling 20: Introduction to Linguistic Analysis (Instructor: Ben Eischens) | |
| 2022 Spring | Ling 185B: Computational Linguistics II (Instructor: Tim Hunter) | |
| 2021 Spring | Ling 185B: Computational Linguistics II (Instructor: Tim Hunter) | |
| 2021 Winter | Ling 185A: Computational Linguistics I (Instructor: Tim Hunter) | |
| 2020 Fall | LING 20: Introduction to Linguistic Analysis (Instructor: Tim Hunter) | |

GUEST LECTURER

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| 2021 Winter | Ling 185A: Computational Linguistics I <i>Lecture: Sub-regular phonology and the puzzle of reduplication</i> |
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Research Experience

- 2022 Winter Research assistant, Supervisor: Dr. Tim Hunter, UCLA Department of Linguistics
• Troubleshoot [the CCPC software](#) on the finite partition function of weighted context-free grammars
- 2021 Fall Research assistant, Supervisor: Dr. Bruce Hayes, UCLA Department of Linguistics
- 2022 Summer • Developed a learning algorithm that applies expectation maximization to maximum entropy grammars
• Simulated data from different scaled languages with the developed algorithm

UNDERGRADUATE EXPERIENCE

- 2017-2019 **Sound Categorization & Prosody** Research Assistant
Principal Investigator: Dr. Jeremy Steffman UCLA Phonetics Lab
• Aided in experiments investigating how prosodic structures and durational modulation influence the segmental categorization of voice onset time continua: created stimuli, ran participants, validated and managed data
- 2018-2019 **Variance and Invariance in Voice Quality** Research Assistant
Principal Investigator: Dr. Patricia Keating UCLA Phonetics Lab
• Checked, documented and corrected alignment errors made by the force aligner in recordings
- June 2018 - **Activities Classification in LAPD Body Worn Videos** Research Assistant
Aug. 2018 Project Lead: Dr. Matthew Haberland UCLA Applied Math REU
• Designed and implemented an algorithm to classify real-world police body-worn videos based on ego-motion activities with a measure of uncertainty
• Implemented and compared different methods of incorporating temporal information for hand-engineered feature design in MATLAB
• Performed comparison tests on the performances of Nyström extension and sparse graph for approximating the spectra of Graph Laplacian
- June 2016 - **China Education Panel Survey** Research Assistant
Sep. 2016 National Survey Research Center at Renmin University of China
• Reviewed surveys on language development, and social behavior development; data entry
• Filed and organized questionnaires of participants in 438 classrooms of 112 schools in 28 county-level units in mainland China

Services & Employment

- 2022 - 2023 **Chair of the Colloquium Committee**, UCLA Linguistics Department
- 2021 - 2023 **Member of the Colloquium Committee**, UCLA Linguistics Department

OTHER EMPLOYMENT

- 2020 - 2021 **Rater**, UCLA Test of Oral Proficiency for international Teaching Assistants
- 2017 - 2019 **Undergraduate homework grader**, UCLA Mathematics Department
• Graded homework for calculus, lower and upper division linear algebra, introductory programming (C++)

AFFILIATIONS

- 2023- Member, Linguistic Society of America

Skills

- Languages** **Native:** Mandarin Chinese **Working level proficiency:** English
Basic: Russian **Fieldwork:** Cantel K'iche'
- Technical** Python, Haskell, R, MATLAB, C++, \LaTeX , git