CURRICULUM VITAE
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Olivia Mae Waring

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Education

DEGREES

2022-	PhD Linguistics, University of Hawaiʻi at Mānoa
2012-2013	MSt General Linguistics and Comparative Philology, University of Oxford (*distinction*)
	Funded by the Daniel M. Sachs Class of 1960 Graduating Scholarship
2008-2012	BA Chemistry, Princeton University (*summa cum laude*)

NON-DEGREE STUDIES

2017-2019	Coursework towards PhD Medical Engineering and Medical Physics, MIT and Harvard Medical School
2021	Coursework at the American Indian Language Development Institute, University of Arizona
	Funded by a Virginia Wing Grant
2018	Intermediate Urdu at The American Institute of Indian Studies (Lucknow, India)
	Funded by a US Department of State Critical Language Scholarship
2014	Intermediate French at the Middlebury Language Schools (Middlebury, VT)
	Funded by a Kathryn Davis Fellowship for Peace
2010	Intermediate Mandarin at Beijing Normal University (Beijing, China)
2009	Intermediate German at the Goethe Institute (Munich, Germany)

Professional Experience

LINGUISTICS

2023	Language Documentation Training Center: Co-Director
2022	Endangered Language Catalog: Graduate Research Assistant
2018-2021	Linguists Without Borders: Founder and Director
2013	Center for Advanced Study of Language: Intern

TECHNOLOGY

2015	National Public Radio: NPR Labs Research and Development Intern
2015-2016	Microsoft: Software Engineer
2016-2017	ThoughtWorks: Web Developer

INTERNATIONAL DEVELOPMENT

2018-2020	MIT D-Lab: Instructor, Tour Guide
2016-2017	The People's Archive of Rural India: Journalist

2019-2022   Classical WCRB: Weekend Host
2022-   Hawaiʻi Public Radio: Evening Host

Publications

Peer-Reviewed Publications

2019   Gaiha, G., Rossin, E., Urbach, J., Landeros. C., Collins, D.R., Nwonu, C., Muzhingi, I., Anahtar, M.N., **Waring, O.M.**, Piechocka-Trocha, A., Waring, M., Worrall, D.P., Newman, R.M., Power, K.A., Allen, T.M., Chodosh, J., Walker, B.D. *Structural Topology Defines Protective CD8+ T cell Epitopes in the HIV Proteome.*. Science. 364 (6439): 480-484. https://www.science.org/doi/10.1126/science.aav5095.

Refereed Book Chapters

2020   **Waring, O.M.**, Majumder, M.S. "Introduction to Digital Phenotyping for Global Health." In Celi, L., Majumder, M., Ordóñez, P., Osorio, J., Paik, K., Somai, M. (eds). *Leveraging Data Science for Global Health*, 251-261. Springer. https://doi.org/10.1007/978-3-030-47994-7_15.

Refereed Conference Proceedings

Forthcoming   **Waring, O.M.**, Holton, G. *A Finite State Model for Morphological Analysis of Eyak.* 7th ComputEL Workshop.

Awards & fellowships

2022   University of Hawaiʻi at Mānoa Graduate Division Achievement Scholarship
2021   Virginia Wing Professional Development Grant
2020   Kathryn Davis Fellowship for Peace: Arabic (declined)
2018   MIT IDEAS Global Challenge: $10K Winner (Second Prize)
2018   US Department of State Critical Language Scholarship: Urdu
2018   Hertz Fellowship Finalist
2018   Schwarzman Fellowship Finalist
2017   MIT Presidential Fellowship
2016   American India Foundation William J. Clinton Fellowship for Service in India
2014   Kathryn Davis Fellowship for Peace: French
2013   ITO Foundation for International Education Exchange Scholarship (declined)
2013   Rhodes Scholar Finalist
2013   Grace Hopper Celebration of Women in Computing NSF Scholarship (declined)
2012   Friends of Todai Summer Research Grant
2012   Sigma Xi Book Award for Outstanding Research
2012   Daniel M. Sachs Class of 1960 Graduating Scholarship
2011   Rhodes Scholar Finalist
2011   DAAD (German Academic Exchange Service) Research Scholarship

Research grants

2023   Bilinski Summer Research Grant to support language documentation work on Eyak (Cordova, Alaska)

Invited talks

2023	"Introduction to Morphology and Syntax for Language Documentation": Endangered Languages Program Webinar Series
2023	"Introduction to Audio and Video Recording for Language Documentation": Endangered Languages Pro-
2019	gram Webinar Series "SurgiBox: An Operating Room in a Backpack": MIT Healthcare and Data Science Conference (Thimphu, Bhutan)
2019	"Sustainable, Community-Driven Design for Global Poverty Alleviation": China Thinks Big Conference, Harvard University (Cambridge, MA)
2018	"An Introduction to Digital Phenotyping for Global Health": KKU mHealth Datathon (Khon Kaen, Thailand)

Conference talks

2023	"Auto-Transcription of Endangered Sign Languages Using Convolutional Neural Networks": 8th International Conference on Language Documentation and Conversation 8 (Honolulu, Hawaiʻi)
2023	"Linguistics Education as a Supplement to Second Language Learning: A Guided Introduction to Language Construction:" Hawaiʻi Association of Language Teachers Spring Conference (Honolulu, Hawaiʻi)
2016	"Quantum Computing Demystified": Women Who Code CONNECT Conference (Seattle, WA)

Conference organization

2023	Member of the student steering committee for the 26th International Symposium on Malay/Indonesian Linguistics
2023	Member of the student steering committee for the 9th International Symposium on the Languages of Java
2022-2023	Member of the student steering committee for the 8th International Conference on Language Documentation and Conversation 8 (Honolulu, Hawaiʻi)

Language proficiency

German: Conversational

Hindi/Urdu: Conversational. U.S. Department of State Assessment: Advanced Low (B2)

Italian: Conversational. **1st Prize**, 2006 National Italian Competition

Mandarin Chinese: Conversational. **1st Prize**, 2010 National Chinese Bridge Speech/Talent Contest

French: Basic proficiency

Hawaiian: Basic proficiency

Ancient (Attic) Greek, *Arabic*, *Indonesian*, *Japanese*, *Spanish*, *Tibetan*: One semester of university-level studies

Technical skills

Programming languages: Java; Python; C; MATLAB; HTML; CSS; JavaScript; Processing; Julia; SQL; R.

Linguistics software: ELAN, FLEx, Praat, Audacity.

Radio: Federal Communications Commission-approved amateur radio technician (Call sign: KC2SGT).

Teaching

University of Hawaiʻi at Manoa, USA

2024   General Linguistics, UHM Department of Linguistics (undergraduate level): Instructor of Record

2023   Introduction to the Study of Language, UHM Department of Linguistics (undergraduate level): Assistant Coordinator

Massachusetts Institute of Technology, USA

2019-20   Engineering for International Development, MIT D-Lab (undergraduate level): Instructor, Trip Leader (Soroti, Uganda)

2018-19   Introduction to Computer Science, MIT Beautiful Patterns (high school level): Lead Instructor (Guadalajara, Mexico)

2018   Research Methods in Global Health and Development, MIT Department of Urban Studies and Planning (undergraduate level): Teaching Assistant

University of Oxford, UK

2014   Artificial Intelligence, Oxford Department of Computer Science (graduate level): Teaching Assistant
Shortlisted for the Oxford University Student Union Student-Led Teaching Award

The Winsor School, Boston, MA

2022   Introduction to Computer Science (high school level): Lead Teacher

2020-2022   Honors General Chemistry (high school level): Teacher

2020-2022   College Preparatory General Chemistry (high school level): Lead Teacher

Workshops & short courses

2024   "Community Radio and Podcasting as a Vehicle for Language Revitalization." Workshop at CoLang, Institute for Collaborative Language Research, Arizona State University and Salt River Pima-Maricopa Indian Community.

2018   Introduction to Linguistics: Weekend workshop at the MIT SPARK program

Community language work / Language documentation experience

2023-	Eyak (Na-Dene): Alaska
2022	Palauan (Malayo-Polynesian): Language Documentation Training Center at UHM
2013	Baima (Tibeto-Burman): Sichuan, China

Field methods courses

2023-2024	Palauan (Malayo-Polynesian): Field methods course at UHM
2023	Lingala (Bantu): Field methods course at the Linguistics Society of America Summer Institute

International development work

2019-2020	Led an annual two-week workshop on engineering and entrepreneurship for youth: Soroti, Uganda
2018	Worked on a water, sanitation and hygiene (WASH) project with the MIT D-Lab and Population Services International: Awasa, Ethiopia
2018	Advised a women's coffee farming collective: Estelí, Nicaragua
2018	Designed an app for non-communicable disease management with the Harvard T.H. Chan School of Public Health, the Johns Hopkins Bloomberg School of Public Health, and the International Rescue Committee
2016-2017	Traveled throughout rural India as a journalist, reporting on humanitarian issues: Mumbai, India

Service

Departmental leadership

2023-2024	Linguistics Society of Mānoa: Vice President and Graduate Student Organization Representative

Departmental reading groups

2023-2024	Initiative for Decolonization, Equity, and Anti-Racism in Linguistics: Founding Member
2024-	Language Documentation for Pedagogy and Revitalization: Founding member

Other service experiences

Boston Samaritans: Crisis Hotline Operator
Physicians for Human Rights: Trained to assist physicians in conducting evaluations of asylum seekers