

## Li-Ying Wang 王儷瑩

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### Research Interests

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Cross-cultural interactions, pericolonial studies, human-environmental relations, organic residue analysis, geoarchaeology, computational archaeology, East and Southeast Asian Archaeology, reproducible research

### Education

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- 2021 Ph.D., Anthropology, University of Washington. Thesis topic: *Archaeological Evidence of Change in Social Organization at Kiwulan, an Iron Age site in Northeastern Taiwan, during the European Colonization Period* (<https://osf.io/75evz/>)  
Advisor: Dr. Ben Marwick
- 2015 MA, Anthropology, University of Washington
- 2008-2011 M.A., Anthropology, National Taiwan University  
Thesis: *A Research of Ornaments Excavated from the Kiwulan Site, Yilan*  
Advisor: Dr. Yu-Pei Chen
- 2007 B.A., German Language and Culture, Soochow University

### Publications (peer reviewed)

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**Wang, L. Y.** (under review) A local view from northeastern Taiwan to understand colonial experiences of Indigenous societies during the European colonization in the 17th century. In Sarah Ward, Yingchun Liu, Veronica Walker-Vadillo (eds) *The Materiality of Sino-Foreign Maritime Cultural Exchange*. Dalian Maritime University/the University of Helsinki.

Marwick, B. and **Wang, L. Y.** (2022) How to Align Disciplinary Ideals with Actual Practices: Transparency and Openness. In Ethan Watrall, Lynne Goldstein (eds) *Digital Heritage and Archaeology in Practice*. University Press Florida, pre-print: <https://osf.io/preprints/socarxiv/s8z6u>

Park, G., **Wang, L. Y.**, and Marwick, B (2022) How do archaeologists write about race and inequality? Computational text analysis of 40 years of Society of American Archaeology Annual Meeting Abstracts. *Antiquity*, pre-print, data & code: <https://doi.org/10.31219/osf.io/zm73f>

Marwick, B., Son, P. T., Brewer, R., **Wang, L.-Y.** (2022) Tektite geoarchaeology in mainland Southeast Asia. SocArXiv, 93fpa, ver. 6, peer-reviewed and recommended by PCI Archaeology, <https://osf.io/93fpa>

**Wang, L. Y.** and Marwick, B. (2021) A Bayesian networks approach to infer social changes in burials in northeastern Taiwan during the European colonization period. *Journal of Archaeological Science* 134, <https://doi.org/10.1016/j.jas.2021.105471>, pre-print, data & code: <https://osf.io/preprints/socarxiv/3vfea/>

**Wang, L. Y.** and Marwick, B. (2020a) Ornaments as indicators of social changes resulting from indirect effects of colonialism in northeastern Taiwan. *Archaeological Research in Asia* 24. <https://doi.org/10.1016/j.ara.2020.100226>, pre-print, data & code: <https://doi.org/10.31235/osf.io/z9p5k>

**Wang, L. Y.** and Marwick, B. (2020b) Standardization of ceramic shape: A case study from the Iron Age pottery from northeastern Taiwan. *Journal of Archaeological Science: Reports* 33. <https://doi.org/10.1016/j.jasrep.2020.102554>, pre-print, data & code: <https://osf.io/preprints/socarxiv/q8hn9/>

Marwick, B., **Wang, L. Y.**, Robinson, R., & Loiselle, H. (2019) How to use replication assignments for teaching integrity in empirical archaeology. *Advances in Archaeological Practice*, 8(1), 78-86. <https://doi.org/10.1017/aap.2019.38> pre-print, data & code: <https://osf.io/preprints/socarxiv/tsxbv/>

## **Other Publications**

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### Editor reviewed

Marwick, Ben, **Li-Ying Wang**, Kaylee Pruski, Eloise Potter, and Raelee Hampton (2021). Views on the Future of Archaeological Ethics from the 2020 SAA Ethics Survey. The SAA Archaeological Record Volume 21, No. 2 March 2021, p. 45-54  
<http://onlinedigeditions.com/publication/?m=16146&i=700116&p=46&ver=html5>

Pruski, Kaylee, Ben Marwick, Eloise Potter, Raelee Hampton, and **Li-Ying Wang** (2021). Views on the Nine Principles of Archaeological Ethics from the 2020 SAA Ethics Survey. The SAA Archaeological Record Volume 21, No. 2 March 2021, p. 29-40  
<http://onlinedigeditions.com/publication/?m=16146&i=700116&p=30&ver=html5>

**Wang, L. Y.** (2017) Tansuo shiqian ren de yinshi [Exploring prehistoric human diet]. *Kexue fazhan [Science Development]* 540: 38-42. <https://bit.ly/2JvFLLe>

**Wang, L. Y.** (2011) Yilan Kiwulan Yizhi Chutu De Zhuangshixing Yiwu Xiangguan Yanjiu [A research of ornamental artifacts excavated from the Kiwulan Site]. *Renlei yu wenhua* 42: 38-62

### Conference proceedings

**Wang, L.Y.** (2021) The impact of the European colonization in the 17th century on Indigenous societies in Yilan- A case study from Kiwulan. In: Proceedings of the 2021 NCKU International Conference on Taiwan Study: Tainan, Sea Faring Harbor City, Tainan, Nov 26-27

**Wang, L.Y.** (2021) Exploring the intercorrelations of burial goods from Kiwulan using Bayesian network modeling. In: Proceedings of the 4rd meeting of the Archaeological society of Taiwan, Taipei, Oct 29-30

**Wang, L.Y.** and Marwick, B. (2020) Investigating craft specialization and pottery standardization using geometric morphometry of vessel shapes from Kiwulan, Northeast Taiwan. In: Proceedings of the 3rd meeting of the Archaeological society of Taiwan, Taipei, September 11-12

Liu, J.Y., Yeh, H.Y., Liu, Y.C., **Wang, L.Y.**, Liu, X.Y. (2016) A Preliminary Result of the Carbon and Nitrogen Stable Isotope Analysis of the Hanben Site. In: Proceedings of 2015 Annual Conference of Taiwan Archaeologists, Ed. National Museum of Prehistory. Taitung, June 4-6

**Wang, L.Y.** (2010) Kiwulan yi zhi de zhuang shi pin yan jiu - yi tong ji fang fa jin hang de chang shi [A statistical analysis for the excavated ornaments from Kiwulan site]. In: Proceedings of the meeting of National Anthropology and Ethnology Graduate Presentation, National Tsing Hua University, Hsinchu, May 28-30

#### Blog posts

**Wang, L. Y.** (2021) They Open Archaeobotanist Guest Blog- Dr. Liying Wang. Guest post on Emma Karoune's blog, The-Open-Archaeobotanist, post on August 13.  
<https://ekaroune.github.io/The-Open-Archaeobotanist/2021-08-13-lw-guest-blog/>.

#### Teaching Experience

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- Winter 2020 **Teaching Assistant**, University of Washington  
Course title: Special Topics in Data Science: Reproducibility for Data Science (DATA598A)
- Fall 2019 **Teaching Assistant**, University of Washington  
Course title: Geoarchaeology seminar & Geoarchaeology laboratory (ARCHY482 & 486)
- Spring 2019 **Teaching Assistant**, University of Washington  
Course title: Analyses of Stone Artifacts (ARCHY 483)
- Fall 2018 **Teaching Assistant**, University of Washington  
Course title: Archaeology in Film (ARCHY 109)
- Spring 2018 **Teaching Assistant**, University of Washington  
Course title: Principles of Archaeology (ARCHY 205)
- Fall 2017 **Teaching Assistant**, University of Washington  
Course title: Principles of Archaeology (ARCHY 205)
- Fall 2012 - Spring 2013  
**Teaching Assistant**, National Taiwan University  
Course title: Field Methods of Archaeology (ANTH 3011, 3012)

## Conference Presentations

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**Wang, L. Y.,** Lin, K. C., and Zhou, Z. (2022) Investigating Neolithic pottery use in the Yanyuan Basin in Southwest China using organic residue analysis. Presentation at the ninth worldwide conference of the Society for East Asian Archaeology, Daegu, South Korea, June 29- July 3 [online]

Park, G., **Wang, L. Y.,** and Marwick, B. (2022) How do archaeologists write about racism? Computational text analysis of 41 years of Society of American Archaeology Annual Meeting Abstracts. Presentation at the Society of American Archaeology 87th Annual Meeting, Chicago, Illinois, March 30- April 3

**Wang, L. Y.** (2021) The impact of the European colonization in the 17th century on Indigenous societies in Yilan- A case study from Kiwulan. Presentation at the 2021 NCKU International Conference on Taiwan Study: Tainan, Sea Faring Harbor City, Tainan, Nov 26-27 [online]

**Wang, L. Y.** (2021) Exploring the intercorrelations of burial goods from Kiwulan using Bayesian network modeling. Presentation at the 4th meeting of the Archaeological society of Taiwan, Taipei, Oct 29-30

**Wang, L. Y.** (2021) Exploring social changes from Iron Age burials in northeastern Taiwan using a Bayesian network modeling approach. Presentation at the Computer Applications and Quantitative Methods in Archaeology Australasia, Sep 16-18 [online]

**Wang, L. Y.** and Marwick, B. (2021) A Bayesian network modeling approach to examine social changes using burial data. Presentation at the Computer Applications & Quantitative Methods in Archaeology, Digital Crossroads, June 14-18 [online]

**Wang, L. Y.** and Marwick, B. (2021) Teaching Reproducible Collaborative Data Analysis to Undergraduates Using Compendia. The 17th Teaching & Learning Symposium at University of Washington, Seattle, April 20 (OSF repo: <https://osf.io/zpcn4/wiki/home/>) [online]

**Wang, L. Y.** and Marwick, B. (2021) Bayesian Exponential Random Graph Modeling of an Iron Age Burial Network in Northeastern Taiwan. Presentation at the Society of American Archaeology 86th Annual Meeting, April 15-17 [online]

**Wang, L. Y.** (2021) A Local View from Northeastern Taiwan to Understand Intercultural Encounters between Europe and Asia and their Indirect Effects. Presentation at conference on Sabang: Early Southeast Asian-European Intercultural Encounters held by the Asian center, University of the Philippines Diliman, March 18-20 [online]

**Wang, L. Y.** and Marwick, B. (2021) Exploring social changes during European colonial period: Spatial analysis of trade ornaments from the Iron Age of northeastern Taiwan. Presentation at the Society for Historical Archaeology, conference on Historical and Underwater Archeology, January 6-9 [online]

**Wang, L. Y.** and Marwick, B. (2020) Exploring the indirect impacts on ceramic production during the European Colonial Period using petrographic analysis. Presentation at Ceramic

Petrology Group Meeting held by McDonald Institute for Archaeology Research, University of Cambridge, November 9-12 [online]

**Wang, L. Y.** and Marwick, B. (2020) The practice of open science in archaeology using R and online digital repositories in case study research. Presentation at the Computer Applications and Quantitative Methods in Archaeology Australasia, Digital Archaeology online Conference, September 11-12 [online]

**Wang, L. Y.** and Marwick, B. (2020) Investigating craft specialization and pottery standardization using geometric morphometry of vessel shapes from Kiwulan, Northeast Taiwan. Presentation at the 3rd meeting of the Archaeological society of Taiwan, Taipei, September 11-12

Chadha, A., Puig, L., Poole, A., **Wang, L. Y.**, Marwick, B. (2020) Geoarchaeology at Prasat Basaet, Cambodia: Life on the edge of the ancient Angkorian Empire. The 23rd Annual Undergraduate Research Symposium at University of Washington, Seattle, May 15 [online]

Marwick, B., **Wang, L. Y.** (2020) How to use replication assignments for teaching integrity in empirical archaeology. The 16th Teaching & Learning Symposium at University of Washington, Seattle, April 6 [online]

**Wang, L. Y.** and Marwick, B. (2019) Investigating social change during cultural contact using geometric morphometry of pottery shapes from Iron Age Northeast Taiwan. Presentation at the 4th MORPH meeting held at Tohoku University, Sendai, Japan, September 13-15

**Wang, L. Y.** and Marwick, B. (2019) Geometric morphometry versus traditional linear measurements for investigating specialization in pottery production from Iron Age Northeast Taiwan. Presentation at the 25th Annual Conference of Taiwan Studies Association, University of Washington, Seattle, May 16-18

**Wang, L. Y.** and Marwick, B. (2019) Investigating craft specialization and pottery standardization using geometric morphometry of vessel shapes from Iron Age Northeast Taiwan. Presentation at the Society of American Archaeology Annual Meeting, ABQ, NM, April 10-15

**Wang, L. Y.** (2018) Exploring Craft Specialization in Northeastern Taiwan during the European Colonization Period. Presentation at Indo-Pacific Prehistory Association, Hue, Vietnam, September 23-28

**Wang, L. Y.** and Marwick, B. (2018) Geometric morphometry of pottery shapes from Iron Age Northeast Taiwan. Presentation at US-Serbia & West Balkan Data Science workshop, Belgrade, Serbia, August 26-28

Liu, J.Y., Yeh, H.Y., Liu, Y.C., **Wang, L. Y.**, Liu, X.Y. (2016) A Preliminary Result of the Carbon and Nitrogen Stable Isotope Analysis of the Hanben Site. In: Proceedings of 2015 Annual Conference of Taiwan Archaeologists, Ed. National Museum of Prehistory. Taitung, June 4-6

**Wang, L. Y.** (2016) The Influence of European Contact in the 17th Century in northeastern Taiwan. Presentation at the Society of American Archaeology Annual Meeting, Orlando, FL, April 6-10

**Wang, L. Y.** (2012) Research into the Ornaments from Kiwulan Site, Northeastern of Taiwan, Presentation at the Society of East Asian Archaeology, Fukuoka, Japan, June 6-10

### **Invited Talks**

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**Speaker**, “The impacts of European colonial contact on Indigenous Society in Northeastern Taiwan during the 17th century”, Institute of Linguistics, Academia Sinica, Mar 28, 2022

**Speaker**, “The impacts of European colonial contact on protohistoric Indigenous Society in Northeastern Taiwan”, Department of Anthropology, National Taiwan University, Mar 4, 2022

**Speaker**, “Social Changes and Cultural Resilience of Protohistoric Indigenous Society in Northeastern Taiwan in Colonial Settings”, Institute of History and Philology, Academia Sinica, Jan 12, 2022

**Speaker**, “Organic residue Analysis and Applications in Archaeology”, Department of Anthropology, National Taiwan University, Dec 23, 2021

**Speaker**, “Open data- Open Science Skills Workshop”, Association for Environmental Archaeology, Nov 19-20, 2021 [online]

**Speaker**, “Reproducible research in anthropology: Data analysis and writing papers using R Markdown, and Git version control to make research compendia”, R-ladies Bergen, Sep 7, 2021 (<https://www.youtube.com/watch?v=IyjtW41Bfbo&t=1187s>) [online]

**Speaker**, “The encounter between Europeans and Indigenous people in northeastern Taiwan”, Curated conversions event series, Burke Museum, Seattle, June 24, 2021 [online]

**Speaker**, “Sharing archeological research with the public using non-profit data repositories and preprint services- an open science approach”, TEAL Digital Scholarship for East Asian Studies Coffee Hour, University of Washington, May 24, 2021 [online]

**Speaker**, “Social changes in Indigenous societies in northeastern Taiwan during European colonization”, Early Career Archaeology Brown Bag series, the Society for Archaeological Sciences, Apr 22, 2021 [online]

**Discussant**, Forum “Teaching Integrity in Empirical Archaeology”, the Society of American Archaeology 86th Annual Meeting, Apr 17, 2021 [online]

**Speaker**, “Writing research papers with reproducible analysis using R Markdown compendia”, Reproducible Research by R-ladies Seattle, Jan 14, 2021 [online]

**Speaker**, “Change in Prehistoric Social Organization in Northeastern Taiwan during the European Colonization Period. Presentation”, Department of Archaeology, National Cheng Kung University, Tainan, Taiwan, Sept 26, 2019

### **Workshops, Symposiums, and Seminars**

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**Commentor**, “Seminar of Training-through-research program for Graduate Students at Institute of Ethnology, Academia Sinica & National Tsing Hua University”, National Tsing-Hua University, May 25, 2022 [online]

**Symposium Organizer**, “Recent advances in Computational Archaeology of East and Southeast Asia”, Computer Applications & Quantitative Methods in Archaeology Australasia (CAAA), Sep 16-18, 2021 [online]

**Symposium Co-organizer**, (with Mu-Chun Wu), “Advances in Digital and Computational Archaeology in Taiwan and Neighboring Regions”, Computer Applications & Quantitative Methods in Archaeology (CAA), Digital Crossroads, June 14-18, 2021 [online]

**Co-instructor**, (with Ben Marwick), workshop “Teaching Integrity in Empirical Archaeology”, the Society of American Archaeology 86th Annual Meeting, April 12, 2021 (OSF repo: <https://osf.io/jfdb6/wiki/home/>) [online]

**Seminar Co-organizer**, (with Jayde Hirniak, Rachel Johnson, and Tekla Cunningham), Early Career Archaeology Brown Bag series, the Society for Archaeological Sciences, Mar-April, 2021 [online]

**Instructor**, “Introduction to spatial data visualization and analysis using R”, Department of Archaeology and Anthropology, Kyungpook National University, Korea, Feb 23, 2021 (Github repo: <https://github.com/LiYingWang/Korea-workshop-202102-LW>) [online]

**Co-instructor**, (with Shane Scaggs), “An introduction to network analysis in R” Anthro Data Science, University of Washington, Seattle, Feb 22, 2021 (Github repo: <https://github.com/anthro-data-science/networks-intro>) [online]

**Lead instructor**, (with Gayoung Park, Delaney Glass, Shane Scaggs, and Ben Marwick), “Introduction to data visualization using “ggplot2”, Anthro Data Science, University of Washington, Seattle, Jan 11, 2021 (Github repo: <https://github.com/anthro-data-science/intro-data-viz-ggplot>) [online]

**Lead instructor**, (with Anwasha Pan, Gayoung Park, Delaney Glass, and Ben Marwick), “Introduction to Git and GitHub for Social Scientists”, Anthro Data Science, University of Washington, Seattle, Aug 26, 2020 (Github repo: <https://github.com/anthro-data-science/intro-to-git-and-github-for-anthropologists>) [online]

**Instructor**, “Making maps and analyzing spatial data: An introduction to using R for archaeologists”, #StayHomeButStudy workshop series, Japan, Jun 14, 2020 (Github repo: [https://github.com/LiYingWang/Japan\\_GIS\\_workshop\\_202006\\_LW](https://github.com/LiYingWang/Japan_GIS_workshop_202006_LW)) [online]

**Co-instructor** (with Ben Marwick) “Lithic data analysis using R”, Department of Archaeology, National Cheng Kung University, Tainan, Taiwan, Sept 24, 2019

**Co-instructor** (with Ben Marwick) “Using R and related tools for reproducible research in Archaeology”, Department of Archaeology, National Cheng Kung University, Tainan, Taiwan, Sept 23, 2019

**Assistant instructor** (instructed by Ben Marwick) “Using R to write reports and journal articles”, Department of Anthropology, National Taiwan University, Taipei, Taiwan, Sept 18, 2019

**Co-instructor** (with Ben Marwick): “Git for scientific research and collaboration”, Nara National Research Institute for Cultural Properties, Nara, Japan, Sept 10, 2019

**Assistant instructor** (instructed by Ben Marwick): “Transparent and Reproducible Archaeological Research Using Open Data Science Tools”, the MORPH2019 Conference, Sendai, Japan, Sept 14, 2019

**Assistant instructor** (instructed by Ben Marwick) “Transparent and Open Archaeological Science Using R”, the Society of American Archaeology Annual Meeting, ABQ, NM, Apr 10-15, 2019

**Assistant instructor** (instructed by Ben Marwick) “Writing reproducible research with R and Markdown”, UW Center for Statistics and the Social Sciences (CSSS), 20<sup>th</sup> Anniversary Conference. University of Washington, Seattle, May 23, 2019

**Assistant instructor** (instructed by Ben Marwick) “Writing reproducible research with R and Markdown”, Northwest Data Science Summit, University of Washington, Seattle, May 8, 2019

**Assistant instructor** (instructed by Ben Marwick) “Southeast and East Asia Social Sciences Workshops for Transparency and Reproducibility”, National Taiwan University and National Cheng Kung University, Taiwan, Sept 16-20, 2018

## **Ongoing Projects**

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July. 2021 - present

Project: The Hengduan Mountain Range and Prehistoric Southern Silk Routes (PI: Dr. Kuei-Chen Lin). Working on organic residue analysis for pottery samples

Dec. 2019 - present

Project: Geochemical analysis of sediment samples from Prasat Basaet, Battambang province, Cambodia (PI: Alison Carter and Miriam Stark, collaborators: Ben Marwick), working on lipid analysis for sediment samples

## **Employment**

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Oct. 2021- present

**Postdoctoral Researcher**, Institute of History and Philology, Academia Sinica.  
Project: Exploring dietary patterns and human-environment interactions in the Hengduan Mountain Range using organic residue analysis

Sep. 2017 - Mar. 2020 (two quarters per year)



**Teaching Assistant**, Department of Anthropology, University of Washington

Mar. - Jun. 2013

**Research Assistant**, Museum of Anthropology, National Taiwan University  
Project: Special exhibition of prehistoric ornaments in Taiwan (PI: Dr. Maa-Ling Chen). Selected artifacts for display, developed a storyline, and wrote descriptive texts for the brochure and display.

Aug. - Dec. 2012

**Research Assistant**, Department of Anthropology, National Taiwan University  
Project: A survey of archaeological sites in the Shi-ba Highlands, Hua-Lien (PI: Dr. Yu-Pei Chen). Measured and recorded the attributes of sherds and stone artifacts from Shi-ba site, a late Neolithic site in Eastern Taiwan

Jan. - Jul. 2012

**Research Assistant**, Institute of History and Philology, Academia Sinica  
Project: Investigating and improving the management of archaeological artifacts and remains in Taiwan (PI: Dr. Cheng-hwa Tsang). Investigated the curation of archaeological materials in Taiwan and best practices and policies for preserving cultural heritage.

Sep. - Dec. 2011

**Project Planning Director**, Cmie Design  
Project: A special archaeological exhibit of Kiwulan site at the Shihshang Museum of Archaeology. Selected artifacts for display, developed a storyline, and wrote descriptive texts for the brochure and display.

## **Field and Research Experience**

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July 2020 – Feb 2021

**Research crew**, Project: Task force on revising the SAA's Principles of Archaeological Ethics based on a survey from SAA members (PI: Dr. Ben Marwick). Worked on Qualitative Data Analysis for survey data and summarized the results. Contributed to final report and drafting publications

Jul. 27 - Aug. 19, 2018

**Field assistant**, Department of Anthropology, University of Washington  
Project: Post-excavation lithic analysis for Nguom Rockshetler in Northern Vietnam (PI: Dr. Ben Marwick). Measured, recorded, and analyzed paleolithic stone artifacts at two museums, and archaeological survey.

Jan. 26 - Feb. 11, 2013

**Field assistant**, Department of Anthropology, National Taiwan University  
Project: Archaeological fieldwork at Shi-ba Highlands in eastern Taiwan (PI: Dr. Yu-Pei Chen). Assisted with fieldwork trip and guided students on excavation

Mar. 2011

**Docent**, Lanyoung Museum  
Project: Exploring Kiwulan- exhibit and tour of archaeological excavation  
Guided visitors on tours of the excavation

Jun. - Jul. 2010

**Crew**, Institute of History and Philology, Academia Sinica  
Project: Post-excavation bronze analysis for Shishahang culture  
(PI: Dr. Kwang-tzue Chen). Measured and recorded metal artifacts

Jan.23 - Feb. 9, 2010

**Field assistant**, Department of Anthropology, National Taiwan University  
Project: Archaeological fieldwork at Beinan in southeastern Taiwan  
(PI: Dr. Yu-Pei Chen). Assisted with fieldwork trip and guided students on excavation

Dec. 2009 - May. 2010

**Crew**, Department of Anthropology, National Taiwan University  
Project: Ceramic analysis for Shishahang culture in the Taipei Basin  
(PI: Dr. Maa-Ling Chen). Measured and recorded sherds, and conducted petrographic analysis for thin sections

Jan.19 - Feb. 2, 2009

**Student**, Department of Anthropology, National Taiwan University  
Project: Archaeology fieldwork at Lingding site, a Neolithic Age site in Taiwan  
(PI: Dr. Yu-Pei Chen). Learned survey and excavation skills

### **Grants and Fellowships**

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2022 Peggy Yeager Award for Scholarly Excellence, University of Washington  
2020 QRC Director Discretionary Grant, University of Washington  
2020 CSSS travel grant funding, University of Washington  
2019 Chiang Ching-kuo Dissertation Fellowship, Taiwan  
2019 Niles Fellowship, University of Washington  
2019 Taiwan Studies Program Conference Paper Travel Grant, University of Washington  
2018 GPSS Travel Grants, University of Washington  
2018 Quaternary Research Center Research Award, University of Washington  
2017 Predissertation Summer Travel Grants, Henry Luce Foundation/ACLS Program in China Studies  
2016 Government Scholarship to Study Abroad/GSSA, Ministry of Education, Taiwan  
2016 Pilot Research Grant, Department of Anthropology, University of Washington  
2015 Fritz Fellowship, University of Washington

### **Professional Memberships**

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Society for Archaeological Sciences (SAS)  
Society for Historical Archaeology (SHA)  
Society for American Archaeology (SAA)  
Computer Application & Quantitative Methods in Archaeology (CAA)  
The Archaeological Society of Taiwan

### **Professional and University Service**

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Jul 2021 – present **Social media team**. Society for Archaeological Sciences  
Jun 2020 – present **Core Organizer**. Anthro Data Sci (campus community of researchers using data science in anthropology), University of Washington  
Jul 2020 – Jun 2021 **Student Ambassador**. Society for Archaeological Sciences

Oct 2020 – Jun 2021 **Curriculum Committee.** Department of Anthropology, University of Washington

### **Academic Service**

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Reviewed for PCI (Peer Community In.) Archaeology, 2020

<https://archaeo.peercommunityin.org/articles/rec?id=90>

Reviewed for Heritage, 2021

Reviewed for Open Archaeology, 2022

### **Media Coverage**

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The Open Archaeobotanist Guest Blog by Dr. Esther Plomp

<https://ekaroune.github.io/The-Open-Archaeobotanist/2021-04-30-ep-guest-blog/>

### **Languages**

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English, Chinese, German, Japanese (read)

### **Professional Skills**

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**Certified Software Carpentry and Data Carpentry Instructor.** Trained for teaching Carpentries Workshops by the University of Washington eScience Institute. Nov. 12-13, 2020

Willamettecra/Pertee /ESA Archaeological Field Technician training, Aug 2021

R programming language for data visualization and analysis