

MATTHEW WALKER MAGNANI

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EDUCATION

Ph.D., Anthropology, Harvard University, 2021

M.A., Anthropology, Harvard University, 2017

M.A., Anthropology, University of Pennsylvania, 2014

B.A., Anthropology, Binghamton University, 2012

Minor in Global Studies and Evolutionary Studies, *summa cum laude*

APPOINTMENTS

Assistant Professor of Anthropology, University of Maine (August 2022-present)

Digital Curator, The Sámi Museum in Karasjok (August 2022-present)

Associate Professor of Social Anthropology, UiT The Arctic University of Norway (2021-2022)

RESEARCH INTERESTS

Contemporary Archaeology, Production, Decolonization, Digital Archaeology and Cultural Heritage

BOOKS

Magnani, M. Magnani, N. Technologies of Belonging. Completed manuscript under contract with University of Toronto Press.

PUBLICATIONS

(2022) **Magnani, M.**, Clindaniel, J., and Magnani, N. Material Culture Studies in the Age of Big Data: Digital Excavation of Homemade Face-Mask Production during the COVID-19 Pandemic. *American Antiquity* 87 (4): 683-703.

(2022) Li L., Lin, S., Abdolazadeh, A., Chan, A., Dogandžić, T., Iovita, R., Leader, G.M., **Magnani, M.**, Rezek, S., McPherron, S.P., Dibble, H.L. A Synthesis of the Dibble et al. Experiments on the Mechanics of Lithic Production. *Journal of Archaeological Method and Theory* 1-42.

(2022) Magnani, N., **Magnani, M.** Decolonizing at the Crossroads of Theory and Practice. *Current Anthropology* 63 (4): 403-404.

(2022) Magnani, N., **Magnani, M.** Decolonizing Production: Healing, Belonging and Social Change in Sápmi. *Current Anthropology* 63 (4): 386-406.

(2022) **Magnani, M.**, Magnani, N., Venovcevs, A., Farstadvoll, S. A Contemporary Archaeology of Pandemic. *Journal of Social Archaeology* 22 (1): 48-81.

(2021) **Magnani, M.**, Venovcevs, A., Farstadvoll, S., Magnani, N. How to Record Current Events like an Archaeologist. *Advances in Archaeological Practice* 9 (4): 379-386.

(2020) **Magnani, M.**, Douglass, M., Schroder, W. Reeves, J., Braun, D. The Digital Revolution to Come: Photogrammetry in Archaeological Practice. *American Antiquity* 85 (4): 737-760.

(2020) McPherron, S.P., Abdolazadeh, A., Archer, W., Chan, A., Djakovic, I., Dogandžić, T., Leader, G., Li, L., Lin, S., **Magnani, M.**, Reeves, J., Rezek, Z., Weiss, M. Introducing Platform Surface Interior Angle (PSIA) and Its Role in Flake Formation, Size and Shape. *PLOS ONE* 15 (11): e0241714.

- (2020) Magnani, N., **Magnani M.** Material Methods for a Rapid-Response Anthropology. *Social Anthropology* 28 (2): 312-314.
- (2019) **Magnani, M.**, Grindle, D., Loomis, S., Kim, A.M., Egbers, V., Clindaniel, J., Hartford, A., Johnson, E., Weber, S., Campbell, W. Experimental Futures in Archaeology. *Antiquity* 93 (369): 262-263.
- (2019) **Magnani, M.**, Grindle, D., Loomis, S., Kim, A.M., Egbers, V., Clindaniel, J., Hartford, A., Johnson, E., Weber, S., Campbell, W. Evaluating Claims for an Early Peopling of the Americas: Experimental Design and the Cerutti Mastodon Site. *Antiquity* 93 (369): 789-795.
- (2019) **Magnani, M.**, Magnani, N., Guttorm, A. Accessibility, Authenticity and the Ethics of Digital Representation: A Reply to Galeazzi. *Current Anthropology* 60 (2): 262-263.
- (2018) **Magnani, M.**, Guttorm, A., Magnani, N. Three-Dimensional, Community-Based Heritage Management of Indigenous Museum Collections: Archaeological Ethnography, Revitalization and Repatriation at the Sámi Museum Siida. *Journal of Cultural Heritage* 31:162-169.
- (2018) **Magnani, M.**, Magnani, N. Archaeological Ethnography of an Indigenous Movement: Revitalization and Production in a Skolt Sámi Community. *Journal of Social Archaeology* 18(1):3-29.
- (2018) **Magnani, M.**, Douglass, M. Photogrammetry and Stereophotogrammetry. *SAS Encyclopedia of Archaeological Sciences*. Hoboken: Wiley-Blackwell.
- (2017) Douglass, M., Kuhnel, D., **Magnani, M.**, Hittner, L., Chodoronek M., Porter S. Community Outreach, Digital Heritage and Private Collections: A Case Study from the North American Great Plains. *World Archaeology*: 1-16.
- (2016) **Magnani M.**, Douglass, M., Porter S. Closing the Seams: Resolving Frequently Encountered Issues in Photogrammetric Modeling. *Antiquity* 90(354): 1654-1669.
- (2015) **Magnani, M.**, Schroder, W. New Approaches to Modeling the Volume of Earthen Archaeological Features: A Case Study from the Hopewell Culture Mounds. *Journal of Archaeological Science* 64:12-21.
- (2014) **Magnani, M.** Three-Dimensional Alternatives to Lithic Illustration. *Advances in Archaeological Practice* 2(4): 285-297.
- (2014) **Magnani, M.**, Rezek, J., Lin, S., Chan, A., Dibble, H. L. Flake Variation in Relation to the Application of Force. *Journal of Archaeological Science* 46:37-49.

Articles Under Review

Magnani, N., **Magnani, M.** Unsettling Production and Indigenous Representation in Sápmi. *American Anthropologist*.

Magnani, M. Corporatizing Quarantine: Critically Excavating Norway's COVID Response. *Current Anthropology*.

Magnani, N., **Magnani, M.**, et al. Material Imaginaries of the New Iron Curtain. *Social Anthropology*.

Magnani, M., Rauhala, P. Cultural Heritage in the Smartphone Era: Potentials and Pitfalls of Accessible Three-Dimensional Modeling for Indigenous Museums and Communities. *Curator: The Museum Journal*.

Magnani, M., Clindaniel, J. Artificial Intelligence and Archaeological Illustration. *Antiquity*.

Mansuscripts in Preparation

Magnani, M., Porsanger, J. Exhibition as Decolonization.

Magnani, M., et al.. Small Collections Remembered: Sámi Material Culture at the Smithsonian Institution.

Valkeapää, S., Magnani, N., **Magnani M.** Revaluating Ávnnasteapmi: Crafting Value and Relation in Sápmi.

Magnani, N., **Magnani, M.** Arctic Silk Road: Ethnographies of an Imagined Infrastructure. Edited volume.

Public-Facing Essays

(2021) **Magnani, M.**, Venovcevs, A., Farstadvoll, S., Magnani, N. Digital Methods for Archaeological Currents. Blog of the Society of American Archaeology.

(2020) Magnani, N., **Magnani, M.**, Venovcevs, A., Farstadvoll, S. Material Transformations of Memory. *American Anthropologist* online in Public Anthropologies.

(2020) Magnani, N., **Magnani, M.** The Dance of Craft and Colony. Exhibited at Phini Exhibition, Cyprus.

Governmental Reports

La Gane, France. Middle Paleolithic component 2012.

La Ferrassie, France. Middle Paleolithic component 2013.

FELLOWSHIPS *Indicates External

***Summer Institute in Museum Anthropology (SIMA) at the Smithsonian Institution's AMNH 2018**

Awarded by the Smithsonian for work on Sámi collections

Harvard Graduate Fellow 2014-2020

Awarded by Harvard University for graduate studies

Media, Literacy and Visualization Fellow 2017-2018

Awarded by Harvard University's Bok Center to develop and integrate 3D curricula in anthropology

***National Science Foundation Graduate Research Fellow 2012-2017**

Awarded for proposed project on Neandertal landscape use and emphasis on broader impacts

Benjamin Franklin Fellow 2012-2014

Awarded by University of Pennsylvania for graduate studies

AWARDS AND GRANTS

***UArctic Collaborative Grant (2020) \$41,000**

Awarded with N. Magnani et al. for integration of 3D Technologies with Education in Finland and Norway

Lefebvre Fund (2020) \$2,450

Awarded for digital work in Norway

***Cora Du Bois Charitable Trust (2020) \$6,000**

Awarded for writing support

***University of Tromsø Conference Fund (2020) \$4,250**

Awarded with Natalia Magnani for *The Art of Governance* international conference

Teschmacher Fund (2019) \$4,000

Awarded for work in Finland and Norway

Harvard HOPE Fund (2019, Declined) \$319

Awarded for open-access publishing

***Firebird Fellowship for Oral Literature (2018) \$10,000**

Awarded with co-PI George Makooi (Loita Maasai) for community-engaged research in the Loita Forest

***Foreign Language Area Studies Grant (2018, Declined) \$15,000**

Awarded for long-term fieldwork in Kenya

Teschmacher Fund (2018) \$4,172

Awarded for work in Finland and Norway

American School of Prehistoric Research (2018) \$2,500

Awarded for work in Finland and Norway

Frederick Sheldon Traveling Fellowship (2018) \$27,000

Awarded for extended fieldwork in Kenya

Merit Fellowship (2018, Declined) \$13,000

Awarded to conduct fieldwork in Kenya

***Digital Globe Foundation Grant (2018, Declined)**

Awarded for study of Standing Rock social movement from satellite imagery

Harvard Distinction in Teaching Award (2018)

***Critical Language Scholarship (2018)**

Awarded for continued study of Swahili

***AAA Archaeology Division Student Membership Award (2017)**

Awarded for presentation on community-based research

Lefebvre Fund (2017)

Awarded for ethnographic research (2017) \$5,500

John C. Hansen and Katherine Vogelheim Research and Travel Grant (2017) \$3,250

Awarded for continued ethnographic studies amongst east African hunter-gatherers

Graduate Student Council Travel Grant (2017) \$750

Awarded for symposium organization at the Society for American Archaeology, Vancouver

***Research Council of Norway (2016-2017) \$47,638**

Awarded for digital heritage project in Fennoscandia in partnership with the National Science Foundation

***National Science Foundation Graduate Research Opportunities Worldwide (2016)**

Awarded for ethnographic research project in collaboration with University of Tromsø \$5,000

American School of Prehistoric Research (2016)

Awarded for ethnographic research \$4,000

Graduate School of Arts and Sciences Predissertation Grant (2016)

Awarded for ethnographic research \$3,000

John C. Hansen and Katherine Vogelheim Research and Travel Grant (2015)

Awarded for preliminary ethnographic studies amongst east African hunter-gatherers \$4,500

***National Science Foundation Graduate Research Opportunities Worldwide (2015)**

Awarded to learn foreign methods of stone tool analysis \$5,000

***AAA Archaeology Division Student Membership Award (2015)**

Awarded for presentation of paper on Sámi boat-building project

Lefebvre Fund (2015)

Awarded for preliminary ethnographic research carried out in Kenya and Tanzania \$4,400

Harvard COOP Grant (2015)

Awarded jointly for the development of a local archaeological outreach program in the Boston area \$575

Penn Museum Field Research Grant (2014)

Awarded for field research on open-air Middle Paleolithic sites **\$1,500**

***Explorers Club Expedition Fund Grant (2013)**

Awarded for field research project Middle Paleolithic Open-Air Sites of the Pre-Pyrenees **\$1,000**

Penn Museum Field Research Grant (2013)

Awarded for field research project to analyze and curate Middle Paleolithic collection **\$1,200**

Faculty Award for Excellence and Service in Anthropology (2012)

Awarded at Binghamton University for community and scholarly work

Richard Antoun Faculty Award for Excellence in Anthropology (2012)

Awarded at Binghamton University for high academic achievement

Binghamton University Undergraduate Research Award (2011)

In support of the Zhoukoudian fossil project **\$300**

Binghamton University Undergraduate Research Award (2011)

In support of the project investigating lithic patterning at Peyre Blanque **\$300**

CONFERENCE PRESENTATIONS AND *INVITED TALKS

*(2022) **Magnani, M.**, Porsanger, J., Laiti, S.A., Magnani, N., Olli, A.M., Rauhala, P., Valkeapää, S. Raising Indigenous Voices Through Small Museum Collections: Community Reconnections from Sápmi to the Smithsonian Institution.

*(2022) **Magnani, M.**, Magnani, N., Venovcevs, A., Farstadvoll, S. The Archaeology of Covid-19: Contemporary Research from Norway. Cotsen Institute at the University of California, Los Angeles.

*(2020) **Magnani, M.** A Contemporary Archaeology of State Sovereignty. Stanford University, Palo Alto, CA

*(2020) **Magnani, M.** A Contemporary Archaeology of State Sovereignty. Anthropology Research Seminar Series, University of Tromsø

*(2020) **Magnani, M.** Subsistence Technology, Conservation and Ivory in East Africa. Archaeology Colloquium Series, University of Tromsø

(2019) **Magnani, M.** Sámi at the Smithsonian: The Importance of Small Collections for Indigenous Communities. Smithsonian Summer Institute of Museum Anthropology, Washington D.C.

(2019) **Magnani, M.** Magnani, N. Digital Heritage, Ethics, and Indigenous Communities. The Museum for All People: Art, Accessibility and Social Inclusion, Madrid

*(2018) **Magnani, M.** Indigeneity in a Digital Age. Displaying the Sámi, University of Tromsø

*(2018) **Magnani, M.** Digital Representations, Museums, and Intellectual Property. Master's in Indigenous Studies Program at University of Tromsø

(2018) **Magnani, M.** Guttorm, A. 3D-museokokoelma käsityöläisille Saamelaismuseo Siidassa (3D museum collections for handicraft artisans at Siida). Skolt Sámi Cultural Seminar, Nellim

(2018) Campbell, W., **Magnani, M.**, Wesson, A. Reanalyzing "The Rise": A Gobernador Phase Navajo Habitation Site in Northwest New Mexico. Society for American Archeology, Washington D.C.

(2017) **Magnani, M.** Community-Based Research in Indigenous Museum Collections. American Anthropological Association, Washington D.C.

(2017) **Magnani, M.** Indigenous Experimental Archaeology. Society for American Archaeology, Vancouver, B.C.

(2017) Ambrose, S.H., Zipkin, A.M., Gakii, M., Coulson, D., **Magnani, M.** Ethnography of red ochre use by pastoralists and hunters in Kenya. Paleoanthropology Society, Vancouver, B.C.

(2016) **Magnani, M.,** Magnani N. Maasai Hives and Poison Arrows: Pastoralist Adoption of Hunter-Gatherer Production Techniques in Southern Kenya. Invited talk presented at Sharing: The Archaeology and Anthropology of Hunter-Gatherers, Cambridge UK

(2016) Zipkin, A.M., Ambrose, S., Lundstrom, C., Gakii, M., **Magnani, M.** The Ethno-Archaeometry of Modern Ochre Use in Kenya. Raw materials exploitation in prehistory: sourcing, processing and distribution meeting, University of Algarve, Faro, Portugal

(2016) **Magnani, M.,** Magnani N. Reconstructing Sámi Technologies, Repurposing Museum Collections. Society for American Archaeology, Orlando

(2015) **Magnani, M.,** Magnani, N. Experimental Archaeology and Cultural Revitalization in Finnish Lapland. American Anthropological Association, Denver

(2015) **Magnani, M.,** Douglass, M., Porter, S. Low-Cost Digitization: Streamlining Photogrammetric Methodologies. Poster Presented at the Society for American Archaeology, San Francisco

CHAired CONFERENCE SYMPOSIA

(2017) Reconstructing Indigenous Practices in Museum Settings: Perspectives and Approaches. Symposium organized at the Society for American Archaeology, Vancouver. Co-chaired with Claire Heckel

FIELD EXPERIENCE

Technology and Belonging amongst Sámi (2014-present)

Finnish and Norwegian Sápmi

Over 18 months of fieldwork focused on self-determination and craft production, integrating three-dimensional technologies and museum ethnography

Social Inequality and Subsistence Transitions Amongst the Digiri (2016-present)

Rift Valley, Kenya

Over 8 months of fieldwork focused on forager technologies and community resilience

Pastoralist Pigment Use (2015-2017)

Maasai and Samburuland, Kenya

Directors: Andrew Zipkin, Stanley Ambrose. Long-term perspectives on pigment use by Maasai and Samburu pastoralists, in rock art and body adornment

Luxmanda (2015)

Open-air Pastoral Neolithic site, Tanzania

Directors: Katherine Grillo, Mary Prendergast, Audax Mabulla. Excavation of a Pastoral Neolithic Site

La Ferrassie (2012-2014)

Cave site, Dordogne, France

Directors: Harold Dibble, Alain Turq, Dennis Sandgathe, Paul Goldberg. Responsible for analyzing lithics recovered from the Middle Paleolithic (MP) portion of the site, computer and database management, total station operator training, and annual site report on MP lithics

Peyre Blanque (2010-2013)

Open-air site, Southern Pyrenees, France

Directors: Margaret Conkey, Sébastien Lacombe, Kathleen Sterling. Excavation of a Middle-Magdalenian site. Responsible for the excavation's 3D artifact component (2011, 2012)

La Gane (2012)

Cave terrace, Dordogne, France

Directors: Vera Aledias, Andre Moralla, Harold Dibble, Paul Goldberg. Preliminary reopening of extensive terrace site. Responsible for MP lithics analysis and lithics portion of site report

Pinilla de Valle (2011)

Excavation of Cueva Buena Pinta, north of Madrid

Director: Juan Luis Arsuaga. Excavation of MP cave site with human and hyena occupations

Laboratory and Museum-Based Research Projects

Ethical Considerations in 3D Digitization of Indigenous Heritage (2020-present)

Project led by Medeia Csoba DeHass, incorporating case studies from the Pacific Northwest to Arctic Europe, exploring best practices and in 3D modeling with Indigenous communities

Experimental Flint Knapping in a Controlled Setting (2012-2014)

Project led by Mentor Harold Dibble. Experimental creation of flakes using a controlled apparatus

Tested assumptions of experimental flintknappers related to hammer and platform attributes

Investigation of Open-air Mousterian sites of the Midi-Pyrenees (2013-2016)

Lithic analysis of an open-air Middle Paleolithic site, as proposed for NSF GFRP

TEACHING EXPERIENCE *Instructor of Record

University of Maine

*Advanced Social Theory (Graduate Level Course, Fall 2022)

*Museum Anthropology (Advanced Undergraduate and Graduate Level Course, 2022)

University of Tromsø

*Research Design (Graduate Level Course, Fall 2021)

*Minorities, Identities and Borders (Graduate Level Course, Spring 2022)

University of Lapland, Finland

*Making Indigenous: Heritage, Politics and Environment (Advanced Undergraduate and Graduate Level Course, 2017)

Harvard University

Pyramid Schemes (Introductory Undergraduate Course, Spring 2018)

Finding your Inner Neanderthal (Introductory Undergraduate Course, Fall 2017)
Junior Tutorial in Anthropology (Upper-level Undergraduate Course, Fall 2017)

University of Pennsylvania

Great Transformations (Introductory Undergraduate Course, Spring 2014)
Introduction to Archaeology (Undergraduate Course, Fall 2013)
Quantitative Methods in Anthropology: Statistics (Advanced Undergraduate Course, Fall 2013)

SERVICE AND OUTREACH

Peer Reviewer

Current Anthropology, Antiquity, Journal of Field Archaeology, Journal of Archaeological Science, Advances in Archaeological Practice, Lithic Technology, Heritage Science

Anthropology Department Program Revision at UiT the Arctic University of Norway (2021-2022)

Developed bachelor's thesis option for undergraduates at UiT, reevaluation of program requirements

Graduate Student Representative to the Faculty at Harvard (2014-2016)

Current Research in Anthropology Symposia Organizer (2015-2016)

Harvard Archaeology Outreach Program

President, Founding Member (2015)

Developed and implemented anthropological outreach programs targeting underrepresented groups

Navigating the Grant Center, University of Pennsylvania

Advisor (2013-2014)

Guided student preparation of grants including NSF, Ford, Fulbright, Gates Cambridge

Spark Philadelphia

Mentor (2013-2014)

Mentor to at-risk youth interested in anthropology and archaeology as potential career paths

TECHNICAL SKILLS

3D Scanning (*NextEngine, Artec, Breukmann*), Photogrammetry, Lithic Analysis, Pottery Analysis/Petrography, Augmented and Virtual Reality (AR/VR)

MEMBERSHIPS

Phi Beta Kappa, Sigma Xi, American Anthropological Association, Society for American Archaeology

LANGUAGES

Proficient (French); Intermediate (Swahili, Norwegian reading); Basic (North Sámi, Russian, Finnish).