

CHRISTINA DINH NGUYEN

EDUCATION

- 2024 – University of Toronto, Toronto, Canada
PhD Information
- 2021 – 2023 University of Toronto, Toronto, Canada
M.I. Information
- 2017 – 2021 York University, Toronto, Canada
B.A. English

ACADEMIC EMPLOYMENT

- 2023 – 2024 Cataloguer; University of Toronto
University of Toronto Mississauga Library
Supervised by Dr. Christopher Young
- 2022 Research assistant, data science and sociology; University of Toronto
Using Data Science Methods to Understand the Differential Impact of COVID on Researchers and Inventors by Gender
Supervised by Professors Michelle Alexopoulos and Kelly Lyons

TECHNICAL SKILLS AND TRAINING

- 2025 MicroCT capture and processing – NeoScan N80
Trained in using the NeoScan N80 MicroCT scanner to non-destructively image internal structures of cultural heritage materials. Applied 3D volumetric data capture and processing techniques to analyze manuscript layers, bindings, and hidden features with high resolution.
- 2025 Light microscope – Leida DMA500
- 2025 Micro hot table – Mettler Toledo HS82
For the analysis of materials' thermal properties.
- October 2024 MISHA Multispectral Imaging Training, “Old Books, New Science” Lab at Fisher Rare Book Library, University of Toronto
Trained on the MISHA (Multispectral Imaging for the Humanities and Archives) machine, developed by Rochester Institute of Technology, for the

analysis and preservation of cultural heritage artifacts. Applied imaging techniques to rare books and archival materials.

June 2024 DinoLite microscope – Ultraviolet, visible, and infrared, Model AF 4515t – JV

Trained in using DinoLite digital microscopes to conduct detailed, non-invasive examination of manuscripts, including revealing erased texts in palimpsests through enhanced surface visualization and adjustable lighting techniques.

REFEREED PUBLICATIONS

Forthcoming 2025 Nguyen, Christina Dinh. "Teaching Algorithmic Literacy for Text and Data Mining (TDM) in Libraries: A Case Study at a Canadian Academic Institution." In *Text and Data Mining Literacy for Librarians*. Edited by Whitney Kramer, Iliana Burgos, and Evan Muzzall. Chicago: Association of College & Research Libraries (ACRL), forthcoming 2025.

April 2024 Digital cultural heritage in the crossfire of conflict: cyber threats and cybersecurity perspectives
UKSG Insights
Insights the UKSG journal
2024-05-07 | Journal article
DOI: [10.1629/uksg.647](https://doi.org/10.1629/uksg.647)

2022 "A mere maiden": exploring Lúthien Tinúviel's relationship with dance and song with word dispersions and correlation tests
The iJournal
<https://doi.org/10.33137/ijournal.v8i1.39912>

PUBLIC SCHOLARSHIP

May 2025 Science Rendezvous 2025, 'Old Books New Science' Booth

Oorganized and staffed an interactive booth at Science Rendezvous 2025, engaging the public with hands-on demonstrations of scientific techniques used to analyze and preserve rare books and manuscripts.

2025 Nicolas Frerebeau and Brice Lebrun, "Calibrating Radiocarbon Dates with R," translated by Christina Nguyen, *Programming Historian* 14 (2025), <https://doi.org/10.46430/phen0125>.

Lesson translation and update.

FUNDING

- 2025 Ontario Graduate Scholarship (OGS) 2025-2026 (\$15, 000)
- 2025 Hidden Stories Research Fellowship (\$5000 CAD)
For a research assistantship at the Department of English and Drama at the University of Toronto Mississauga.
- 2025 Rare Books and Manuscript Section [of the American Library Association] Scholarship (\$1105 CAD)
- 2023 Ruth Corner Public Librarian Fellowship (\$2000 CAD)
- 2023 Florence Partridge Scholarship (\$2000 CAD)
- 2022 Tolkien Society Student Bursary (£500 GBP)
For partial coverage of the travel fees and accommodation fees to attend Oxonmoot 2022, a Tolkien studies conference, where I presented on natural language processing methods in Tolkien studies.
- 2022 Critical Digital Humanities Training Bursary (\$1000 CAD)
For the tuition and airfare to Oxford Digital Humanities Summer School – Text Encoding Initiative course - 2022, supporting my ‘Visualizing Tolkien with R’ project.

INVITED TALKS, WORKSHOPS, AND POSTERS

- May 2025 "Archival preservation, meet materials science." (poster).
Archives Association of Ontario - AAO 2025 Virtual Conference.
[10.6084/m9.figshare.28928180](https://doi.org/10.6084/m9.figshare.28928180)
- March 2025 Conserving parchment: extending material life (panel)

At the Book History and Print Culture Colloquium 2025
Held at Massey College, University of Toronto. figshare. PowerPoint.
<https://doi.org/10.6084/m9.figshare.28557695.v1>
- February 2025 Nguyen, Christina (2025). Diagnosing and Treating Damaged Parchment: a Translational Collagen-based Approach. figshare. Poster.
<https://doi.org/10.6084/m9.figshare.28405391.v1>
At the Faculty of Dentistry, University of Toronto, Research Day.
- October 2024 Book science: questions, methods, and applications (guest lecture)
INF2228: Digitization and remediation
University of Toronto, Canada

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| April 2024 | From algorithms to empowerment: teaching algorithmic literacy in university libraries (talk)
<i>UKSG 2024 Conference</i>
<i>Glasgow, Scotland</i> |
| October 2022 | Tolkien research with computational literary analysis (talk)
<i>Critical Digital Humanities International Conference</i>
<i>University of Toronto, Canada</i> |
| September 2022 | Towards Tolkien research with computational literary analysis (talk)
Computational Literary Analysis of Tolkien texts with R (workshop)
<i>Oxonmoot, The Tolkien Society Annual Conference</i>
<i>Oxford, England</i> |
| June 2022 | Managing Digital Humanities Resources: A Case Study, the GIS maps of Middle-Earth (talk)
<i>NASIG serials management conference</i>
<i>Baltimore, Maryland, U.S.A.</i> |
| 2021 | Allan I. Carswell Observatory: Online Public Outreach for a Digital Age (poster)
<i>Canadian Astronomical Society</i> |

LANGUAGES

English
Vietnamese
French (reading)