

Wen Nie Ng

Digital Imaging and Preservation Services
Carol M. Newman Library
Virginia Tech University Libraries
560 Drillfield Drive, Rm. 303
Blacksburg, VA 24060

Phone: 540-425-2727
Email: ngwennie1@gmail.com
Homepage :<ngwennie.org/>
Exhibit: [VT Digital Library Virtual Exhibit](#)

PROFESSIONAL EXPERIENCE:

Digital Collections Librarian

Newman Library, Virginia Polytechnic Institute and State University, Blacksburg, Virginia

Nov 2017 – Present

Platform systems

- Front and backend Omeka system platform development and maintenance: improving interface usability and accessibility, system troubleshooting
- Strategized short- and long-term workflows for cataloging, data cleaning, and disseminating metadata to different digital library platforms (Omeka, JSTOR) and data aggregator (git, DPLA)
- Conducting interviews, paper and digital wireframing, usability studies, iterating on designs, determining information architecture and responsive design for digital library and other library website projects

Metadata

- Produced local metadata schemes that adhere to established standards and best practices
- Generated XSL automating XML metadata transformation for DPLA service hub ingestion
- Hired, trained, and supervised student workers and colleagues in cataloging digital objects

Collection Management

- Processed incoming physical items from partner institutions and determined appropriateness of materials for digitization or online publication
- Devised existing policies in accepting partner institutions' collections and created submission guidelines
- Consulted and provided technical support to interdepartmental colleagues on DAM/CRM systems (Omeka plugins, DSpace), metadata, XML, data management tools, and web accessibility
- Increased visibility of SVDA through collaborating with cross-campus and regional partners to produce SVDA VR and in-person exhibitions
- Produced promotional and presentation videos for SVDA VR exhibit
 - Promotional clip: <https://www.youtube.com/watch?v=BE7rVZvPCdw>
 - Presentation video, only with caption, no speaker: <https://youtu.be/bLKDvMrPmOc>

Library Digital Project Assistant

Center for Research on Concepts and Cognition, Indiana University, Bloomington, Indiana

Sep 2017 – Nov 2017

- Planned, organized, and managed digitization project for Douglas R. Hofstadter's series of symposia for public access
- Collaborated with other professionals in establish standards and best practices for digitization
- Documented digitization workflows and project metadata scheme for public access purposes

Comic Book Readership Archive (CoBRA) Project Assistant

School of Informatics and Computing, Indiana University, Bloomington, Indiana

Dec 2016 – Nov 2017

- Performed OCR for comic book readers' letter
- Reviewed OCR output and encoded output in TEI ready to be analyzed

IUScholarWorks IT Assistant

Herman B Wells Library, Indiana University, Bloomington, Indiana

Aug 2016 – May 2017

- Designed and built layouts for journals in the Open Journal System 2 (OJS2) and OJS3
- Investigated and test run on new OJS system behavior and prepared documentation for implementation of OJS3
- Maintained and assisted with the development of front-end interfaces and web applications, such as Drupal, DSpace
- Inspected XML-based publishing outputs and metadata and data management

Library Public Services Assistant

Herman B Wells Library, Indiana University, Bloomington, Indiana

May 2016 – May 2017

- Supported the research and learning needs of IU students, faculty, staff, and visitors
- Answered research-related and directional questions in-person, via chat, or over the phone
- Developed search strategies and assist with the use of print and electronic library resources

Strategic Media Access Resource Team Member

Media Digitization and Preservation Initiative (MDPI), Indiana University, Bloomington, Indiana

Jan 2016 – May 2017

- Diagnosed preservation problems for time-based media objects
- Attained weekly quota of preparing 4,000 time-based media in various formats for digitization
- Trained new members on processing and identifying different formats

IU Paleontology Collection Assistant / Metadata Analyst

Indiana University Department of Geological Sciences, Bloomington, Indiana

Aug 2015 – Nov 2017

- Curated and organized the Paleontology Collection with 1.5 million lot of specimens and other archival materials in variety of formats (acetate and nitrate film and glass-based negatives, photo prints, book prints, field notebooks, lantern slides, and stratigraphy maps)
- Identified, evaluated, and prioritized objects of critical conservation concern for digitizing
- Collaborated with other library professionals for the preservation of Paleontology Collection materials
- Managed quality control of specimen catalog and data management by creating metadata scheme
- Produced MARC EAD finding aids for the unique collections within the IU Paleontology Collection
- Devised metadata scheme and creation of digital library for the collection
- Established standards and best practices for digitization and metadata

Credit Analyst

United Overseas Bank, Kuala Lumpur, Malaysia

Oct 2012 – Nov 2014

- Prepared written credit risk analyses of small and medium sized enterprises (SME) with revenue below MYR200 million from various industries with a borrowing cap at MYR40 million
- Appraised and recommended credit exceptions in accordance with credit policies and regulations
- Achieved quarterly goals for CAS and written credit reviews
- Supervised 10 junior credit analysts on preparing credit reports and spreading financials
- Coordinated workflows with Account Relationship Managers and senior management for feedback in generating credit reports

Business Founder

Authentic Coach Malaysia, USA-Malaysia

May 2011 – Sept 2012

- Observed micro and macro-environment and developed an efficient marketing plan that increased sales by 20%
- Analyzed financial statements and tailored the right business plan, cut cost and maximized profit up to 30%
- Created Excel template for inventory information, saving as much as 20% time spent

EDUCATION

Master of Information Science, Indiana University, 2017

B.S., Finance, Indiana University of Pennsylvania, 2011

B.S., General Management, Indiana University of Pennsylvania, 2011

CERTIFICATIONS

- Google UX Design Professional Certificate, 2021
Credential ID: [UEXTN2SFEFA3](#)
- Certificate in XML and RDF-Based System, 2020
- IAAP Certified Professional in Web Accessibility (CPWA), 2019
Credential ID: 19MJCWWN20
- IAAP Web Accessibility Specialist (WAS), 2019
Credential ID: 19MJWWN27
- IAAP Certified Professional in Accessibility Core Competencies (CPACC), 2019
Credential ID: 19MACWN41
- Bloomberg Essentials Certified, 2011

TECHNICAL SKILLS

- HTML5, CSS, WCAG 2.1
- Adobe XD, Figma
- Adobe: Photoshop, Lightroom, Bridge, Premiere Pro, Media Encoder, Spark, Behance
- OpenRefine, Tableau, PostgreSQL, FileMaker Pro, Unity, Google Analytics
- ABBYY FineReader, Tesseract, ImageMagick
- Open Journal Systems, Open Conference Systems, Drupal, DSpace, ArchivesSpace, Omeka, Omeka S, WordPress, JSTOR Forum
- RDF/XML, XSLT, EAD, TEI, MARC, MODS
- Dublin Core, Darwin Core, Costume Core, VRA Core, CCO, EDM
- Silverlake A/S400, CCRIS, CTOS, RAMCI, Dow Jones Searches, Factiva

LANGUAGES

English

Chinese: Mandarin, Cantonese, Taiwanese, Hakka

Malay

GRANT & AWARDS

- **Community Development Model for Digital Community Archives. Co-PI. Institute for Museum and Library Services National Leadership Grants for Libraries (\$87,151), 2019-2020**
- **Accessibility Professional Certification Grant (\$1,040), 2019**
- **ILS Student Fellowship, 2017**
- **International Services Cash Award Grant, 2015 – 2017**
- **Janice Kilner Egloff Scholarship, 2016**
- **ILS Technology Award Fellowship, 2015**

WEBSITES

- **Southwest Virginia Digital Archive (<https://di.lib.vt.edu/>)**
- **Digital Virginias (<https://www.digitalvirginias.org/>)**

BOOK CHAPTER

Fralin, S. & Ng, W. N. (2021). Creating VR Exhibits Based on Digital Collections. In Kroski, E. (Ed.), *32 Virtual, Augmented, and Mixed Reality Programs for Libraries* (pp. 142-150). Chicago: ALA Editions.

PRESENTATIONS

Ng, W. N. (2021). "Virtual Reality Exhibit Usability: Virginia Tech Digital Library Virtual Exhibit". 2021 Digital GLAM Spaces Conference, online.

Ng, W. N. (2020). "[Southwest Virginia Digital Archive](https://di.lib.vt.edu/)". 2020 World Digital Preservation Day. Video starts from 15:30 to 18:22. Voice from Google.

Ng, W. N. (2020). "[Southwest Virginia Digital Archive virtual exhibit](https://di.lib.vt.edu/)". Virginia Tech University Library Sept Forum. Video (without vocal).

Hall, N., Ng, W. N., Tatum, S., & Saverot, M. (2019). "Virginia Tech's Free-To-You Regional Digitization Service". 2019 VLA Annual Conference. (Non-presenting)

Bartczak, J., Cornell, D. Ng, W. N., White, E. (2019). "Help Us Build the Digital Virginias Partnership". 2019 VLA Annual Conference. (Non-presenting)

Ng, W. N. (2019). "Omeka as a temporary platform for digital content from Virginia Tech and from the Southwest Virginia region". 2019 CALA Southeast and Southwest Chapters Joint Online Conference.

Hall, N., Lague, M., Tatum, S., Ng, W. N. & Saverot, M., (2019). "Digital Access Taubman: A Case Study of a Partnership Between the Taubman Museum of Art and Virginia Tech University Libraries." VAM 2019 Conference, Lynchburg, VA.

POSTER

Ng W. N. (2019). Beyond the closed system with Omeka and DPLA. 2019 ALA Annual Conference CALA Poster Sessions.

PROFESSIONAL SERVICE

School/Department Service

- **Intranet owner**
2022 – present
- **Climate Survey Group**
2021 – present
- **Library Council**
2021 – present
- **Library Intranet Migration Task Group**
2020 – 2021
- **Library Assessment Data Council Reporter's Group**
2020 – present
- **Library Linked Data Interest Group**
2020 – present
- **Virginia Tech Apps, Software, and Web Development Subcommittee of the Accessibility Network**
2019 – present
- **Library Recruiting Procedures for Faculty and Staff Committee Working Group**
2019 – present
- **Library Strategic Planning Communications Subgroup**
2019 – 2020
- **Library Accessibility Club**
2018 – 2020

Positions held in Professional Associations

- **DLF Metadata Assessment Working Group - Metadata Quality Benchmarks Subgroup**, member
2019 – present
- **Digital Virginias (DPLA Service hub) Committee**, member, metadata remediation member, website convener, social media assistant
2017 – present
- **CALA New Strategic Plan Preparing Committee**, member
2019 – 2021
- **CALA International Relations Committee**, member
2019 – 2021
- **CALA Social Media Subcommittee**, member
2019 – 2020
- **CALA Travel Grant and IFLA Registration Subcommittee**, member
2018 – 2019