

# JONATHAN M. FARBOWITZ

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## Education

**New York University (NYU), M.A., Moving Image Archiving and Preservation, May 2016**

### Thesis

Preserving Malware in Archives, Museums, and Libraries, Advisor: Howard Besser

### Extracurricular Activities

Co-organizer of Audiovisual Preservation Exchange Santiago, Chile, 2016

Participant in Audiovisual Preservation Exchange Buenos Aires, Argentina, 2015

Association of Moving Image Archivists Student Chapter Secretary, 2015-2016

**Vassar College, B.A. (honors), Major in Film, Minor in Philosophy, May 2005**

## Selected Professional and Fellowship Experience

### Associate Conservator of Time-Based Media, The Metropolitan Museum of Art

New York, NY 2019 – Present

- Implement best practices for media conservation in acquisitions, exhibitions, loans, and digital storage and supervise the work of contractors, fellows, and interns
- Establish, maintain, and upgrade time-based media conservation lab

### Adjunct Professor, Moving Image Archiving and Preservation Program, NYU

New York, NY 2023 – Present

- Teach the “Digital Literacy for Moving Image Archiving and Preservation” course
- Provide recommendations on technical skills students must develop to succeed in the MIAP curriculum

### Fellow in the Conservation of Computer-Based Art, Solomon R. Guggenheim Museum

New York, NY 2016 – 2019

- Addressed preservation needs through assessment, documentation, and treatment of software-based artworks
- Developed workflows for acquisition and archiving of software-based artworks

### Contract Conservator, Yale University Art Gallery

New Haven, CT, 2018

- Assessed condition of two software-based artworks in the collection
- Presented to staff on workflows and standards for the conservation of software-based artworks

### Collections Assistant for Museum of the American Indian Collection, NYU Libraries

New York, NY, 2016

- Performed physical assessment and inventory of audiovisual items, such as videotapes and optical media
- Determined workflows for processing born-digital media, e.g., DVDs, CD-ROMs, and video files

### Library and Archives Fellow and vrecord Developer, City University Television (CUNY TV)

New York, NY, 2015

- Implemented new features for vrecord open-source video capture software; tested and reported bugs in software
- Digitized U-matic tapes, documented digitization processes, and instructed other staff on digitization procedures

### Moving Image Collections Fellow, Bancroft Library, University of California Berkeley

Berkeley, CA, 2015

- Conducted full preservation assessment of moving image items, including item-level inspection
- Researched collections to locate materials related to California history and Japanese internment

### Archives Assistant, Anthology Film Archives

New York, NY, 2015

- Inspected, repaired, and created catalog records for films in the Jud Yalkut collection
- Assisted with reorganization of Anthology research library

### Application Programmer Analyst and Content Editor, Solutions for Progress

Philadelphia, PA, 2010 – 2014

- Developed software for The Benefit Bank web application, which helps clients apply for public benefit programs and file state and federal income taxes online
- Consulted other departments to ensure software met specifications

## **Program Associate and Field Producer for Street Movies, Scribe Video Center**

Philadelphia, PA, 2012 – 2014

- Curated, promoted, and planned logistics for Street Movies neighborhood screening series
- Updated website and used social media to promote Scribe events, workshops, and fund-raisers

## **Collection and Preservation Assessments**

### **Audit of Digital Storage for Time-Based Media Collection**

The Metropolitan Museum of Art, New York, NY, 2020 – Present (w. Diana Diaz, Milo Thiesen, Caroline Gil, Kayla Henry-Griffin, Felice Robles)

### **Assessment of the Educational Video Center Media Collection**

Educational Video Center, New York, NY, May 2015

### **Assessment of Moving Image Items at the Bancroft Library**

University of California, Berkeley, CA, September 2015

### **Assessment of the Shu Lea Cheang Collection**

Fales Library and Special Collections, NYU, New York, NY, December 2014 (w. Shu-Wen Lin)

### **“Digital Preservation” section in Carnegie Hall Archives General Preservation Assessment**

Carnegie Hall, New York, NY, December 2014 (w. Eddy Colloton)

## **Presentations, Workshops, and Panels**

### **Exhibiting Time-Based Media Art, Guest Lecture**

Moving Image Archiving and Preservation Program, NYU, April 2023

### **Assessing Digital Materials in Collections, Guest Lecture**

Moving Image Archiving and Preservation Program, NYU, March 2019, February 2018, and April 2023

### **Time-Based Media Conservation, Guest Lecture**

Moving Image Archiving and Preservation Program, NYU, December 2022 and November 2021

### **Digital Preservation: Caring for Digital Art Objects, Workshop**

Conservation Center, NYU Institute of Fine Arts, New York, NY and Virtual, July 2022 and October 2019

### **Introduction to Digital Preservation, Presentation**

Underground Railroad Society of New York State, Virtual, April 2021

### **Indigenous Collections: Collaborative Stewardship and Conservation Practices, Presentation**

The Metropolitan Museum of Art, Virtual, December 2020

### **On Conservation and Archiving: Session Three, Panelist**

NYU, 370J Project, Virtual, November 2020

### **Every Disc Every Bit of Data: Conservation of Every Shot Every Episode, Presentation**

The Metropolitan Museum of Art, Virtual, November 2020 (w. Sasha Arden)

### **Introduction to Digital Preservation and Storage, Workshop**

American Institute for Conservation Conference, Virtual, June and August 2020 (w. Amy Brost, Alex Nichols)

### **Making Software Available Within Institutions and Across Networks, Presentation**

Software Preservation Network webinar series, Virtual, March 2019

### **The Restoration of Brandon and GitHub Demo, Guest Lectures**

Moving Image Archiving and Preservation Program, NYU, April 2020, 2019, and 2018

### **Disk Imaging and Digital Forensics in Media Art Conservation**

BitCurator User Forum, New Haven, CT, October 2019 (w. Eddy Colloton, Caroline Gil)

### **Conserving Computer-Based Artworks and The Restoration of Brandon, Presentations**

Taiwan Digital Art Foundation, Virtual, July 2019 (w. Emma Dickson)

### **Towards Best Practices in Disk Imaging: A Cross-institutional Approach, Presentation**

American Institute for Conservation annual meeting, Uncasville, CT, May 2019 (w. Eddy Colloton, Caroline Gil, Flaminia Fortunato)

### **Quality Control Procedures for Disk Images, Lightning Talk**

iPres Conference, Boston, Massachusetts, September 2018

### **Archiving Computer-Based Artworks, Presentation**

American Institute for Conservation annual meeting, Houston, TX, May 2018

### **Varied Approaches: Training in Time-based Media Conservation, Presentation**

"It's About Time" Symposium, NYU Institute of Fine Arts and Courant Institute, May 2018 (w. Peter Oleksik)

### **Conserving Computer-Based Art: Challenges and Methods, Presentation**

Universidad de La República, Montevideo, Uruguay, March 2018 (w. Julio Cabrio)

### **Documenting Doug Wheeler's PSAD Synthetic Desert III (1971/2017), Presentation**

Conserving Computer-based Art event, Guggenheim Media Lab, December 2017

### **From the MIAP Lab to the Conservation Lab, Presentation**

Careers and Col-LAB-orations in Moving Image Archiving & Preservation, NYU, October 2017

### **Digital Preservation Concepts and Principles, Presentation**

Archives in Motion workshop, Tirana, Albania, October 2016

### **Quality Control for Video Files: Principles and Practice, Presentation**

Archives in Motion workshop, Tirana, Albania, October 2016

### **Analog Video Digitization at Señal 3 La Victoria, Presentation**

Biblioteca Nacional, Santiago, Chile, June 2016

### **Preservation Provocations for the 21st Century, Panel Moderation**

Tenth Orphan Film Symposium, Culpeper, VA, April 2016

### **Indigenous Moving Images in Archives, Museums, and Libraries, Presentation**

Cinema Studies Graduate Student Conference, NYU, March 2016

### **The Power of the Command Line and GitHub, Workshop**

Media^Alps Conference, Beatenberg, Switzerland, January 2016

### **History of Tisch School of the Arts**

Presentation, Alumni Day, New York University, October 2015 (w. Rochelle Miller)

### **Audiovisual Preservation Exchange**

Presentation, Community Day, New York University, October 2015

### **The Navy Collection at the Museo del Cine**

Presentation, Audiovisual Preservation Exchange Colloquium, NYU Buenos Aires, June 2015

### **Mapping Intertextual Relationships in Media, Presentation**

Extending Play: The Sequel, Rutgers University, New Brunswick, NJ, April 2015

## **Publications**

### **Disk Imaging as a Backup Tool for Digital Objects**

Chapter in *Conservation of Time-Based Media Art*, 2022 (w. Caroline Gil and Eddy Colloton)

### **Towards Best Practices in Disk Imaging: A Cross-institutional Approach**

*The Electronic Media Review*, Volume 6: 2019-2020 (w. Caroline Gil, Eddy Colloton, Flaminia Fortunato)

### **Restoring Mark Napier's Online Work *net.flag* for a Changing World**

*Guggenheim Checklist Blog*, February 2020 (w. Deena Engel and Emma Dickson)

### **The Conserving Computer-Based Art Initiative**

Guggenheim Museum website, November 2019

### **FCoP 2019 Cohort Reflections: Guggenheim Museum**

Software Preservation Network blog, September 2019

### **DVD/Blu-ray Review of *Big\_Sleep*™**

*The Moving Image: Journal of the Association of Moving Image Archivists*, Volume 19.1, Spring 2019

### **Archiving Computer-Based Artworks**

*The Electronic Media Review*, Volume 5: 2017-2018

### **The Guggenheim Restores John F. Simon Jr.'s Early Web Artwork *Unfolding Object***

*Guggenheim Checklist Blog*, November 2018 (w. Joanna Phillips, Deena Engel, Karl Rosenberg)

## Restoring Brandon, Shu Lea Cheang's Early Web Artwork

Guggenheim Checklist Blog, May 2017 (w. Joanna Phillips, Deena Engel, Emma Dickson)

## Preserving Computer Viruses and Other Malware

Vassar Alumnae/i Quarterly, March 2017

## Why Save a Computer Virus?

The Conversation, August 2016 (w. Howard Besser)

## Interviews

### Jonathan Farbowitz on the Commitment to Infinite Uptime

Maintainers Anonymous podcast with Henry Zhu, 2019

### Tech Tuesday

All Sides with Ann Fisher, WOSU Radio, 2016

### AIM Expert: Jonathan Farbowitz

Albanian Cinema Project YouTube channel, 2016

### Books to Prisoners

Prison Pipeline with Ruth Kovacs, KBOO Community Radio, 2009 (w. Alex Fish)

## Professional Affiliations

Met Time-Based Media Art Working Group, Co-Chair (2022 – Present)

Maintenance Culture Project, Advisory group member (2022 – 2023)

Met Forum Diversity, Equity, Inclusion, and Accessibility Committee, Member (2020 – 2022)

American Institute for Conservation, Member, Website Manager of Electronic Media Group (2018 – 2022)

Association of Moving Image Archivists, Member of Open Source Committee (2015 – 2022)

Software Preservation Network, Member of "Fostering a Community of Practice" Cohort (2017 – 2019)

## Awards and Honors

"Best Solution to the Problem" at AMIA/DLF Hack Day, 2021

Faculty Banner Bearer for Tisch Salute, 2016

Robert Sklar Memorial Scholarship, 2015

Association of Moving Image Archivists Universal Studios Scholarship, 2014

## Skills and Proficiencies

### Operating Systems

macOS

GNU/Linux

Microsoft Windows

MS-DOS

### Digital Forensics and Digital Preservation Software

KryoFlux

Archive-It

FTK Imager

BagIt

BitCurator Suite

Webrecorder/Conifer

fiwalk

Disktype

Siegfried

Hex Fiend

DPF Manager

JHOVE

libewf

GNU ddrescue

### Collection and Content Management Systems and Database Software

The Museum System

Omeka

Collective Access

CONTENTdm

MySQL Filemaker Pro

### Digital Image, Video, and Audio Software

QCTools

FFmpeg

Final Cut Pro

Adobe CS

Audacity

Handbrake

Compressor

ImageMagick

Exiftool

vrecord

### Emulation and Virtualization Software

SheepShaver/Basilisk II

DOSBox

MAME

VirtualBox

OpenEmu

### Programming and Markup Languages

XML

Bash scripting

HTML/CSS

Perl

Python

JavaScript

### Additional Software

Jira

Arduino IDE

AWS Lightsail

Zotero

Git and Github

Confluence

### Languages

Intermediate-level Spanish

Beginning-level Hebrew