

Aerith Netzer

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Experience

Northwestern University | Digital Publishing and Repository Librarian September 2023 – Present

- Serving as service point of contact for institutional repository
- Developer and technical contact/editor for *Studies in Russian Philosophy Literature, and Religious Thought*
- Developer and technical contact for *Bulletin of Applied Transgender Studies*
- Building large language models to remediate early modern English literature
- Building computer vision and clustering model pipelines to identify features of wastewater treatment plants
- Built large language model pipelines to automate metadata capture for journals, to be in upcoming journal article
- Using text clustering models to analyze four million academic articles to understand the linguistic features of the Anthropocene
- Serving as liaison to the economics department
- Managing endowed funds to purchase resources for economics department

frog, part of Capgemini Invent | Consultant February 2021 – September 2023

- Consulted for large retail company to implement point-of-sale platform
- Consulted for large pharmaceutical company to prototype RAG-enabled large language models for research management

Technical Competencies

- AWS (S3, Amplify, EC2, DocumentDB)
- Azure (OpenAI Deployments)
- Research Computing (Slurm, Singularity)
- Data Science (visualization, network analysis, computer vision, clustering, business simulation, time-series analysis) using Python
- Web Development (static sites, front-end development, back-end development) using hugo, django, Python, Javascript, Sass
- Data Management (relational and document databases) using MongoDB, AWS DocumentDB, SQLite, MS Access
- Git and GitHub with devops and CI/CD tools
- Typesetting and design with Typst and LaTeX
- Familiarity with Linux, Windows, and MacOS
- Familiarity with (Neo)vim

Education

Loyola University Chicago | Quinlan School of Business | Master of Business Administration 2022 – 2024

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Master of Science, Information Systems and Analytics

Dominican University | School of Information Studies | 2021 – 2022
Master of Library and Information Science

DePaul University | College of Arts and Sciences | Bachelor of Arts in Philosophy 2018 – 2021

Selected Projects

Studies in Russian Philosophy, Literature, and Religious Thought | Technical Editor and Support Contact

- Perform web development for each issue of the journal
- Serve as primary technical contact for web version of journal
- Typeset PDF versions of journal

biblatex-transformer | Research Project

- Developed pipeline to run Ollama language models for metadata capture on university supercomputers
- Article in review for Code4Lib Journal