

BENJAMIN GALLON

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[Github.com/bgallon-dev](https://github.com/bgallon-dev)

Interdisciplinary history major integrating archival research, digital humanities, and computational system design. Experience leading museum-scale digitization initiatives, developing OCR workflows for historical newspapers, and building artifact verification tools using Python and content-addressed storage concepts. Focused on preservation, integrity, and research enablement.

WORK EXPERIENCE

Digital Humanities Project Lead

Feb 2026 - Present

Spokane Valley Heritage Museum | Spokane Valley, WA

- Lead the design and execution of a museum-scale digital humanities initiative focused on historical newspaper digitization
- Serve as primary decision-maker for OCR architecture, risk management, and PastPerfect integration
- Implement OCR pipelines optimized for multi-column, degraded, and skewed layouts
- Develop workflows emphasizing auditability, reversibility, and preservation of original source material
- Deliver preservation-grade surrogates, searchable full text, and structured metadata improving staff research efficiency

Research Assistant, History Department

Aug 2025 - Present

Eastern Washington University | Cheney, WA

- Conducted primary-source research on labor history, political movements, and public memory
- Applied historiographical and theoretical frameworks to evaluate contested narratives
- Verified and structured archival materials for conference and exhibit development
- Contributed original research to peer-reviewed academic presentations
- Supported museum exhibits through research and interpretive analysis
- Enhanced departmental research workflows via sustained archival analysis
- Standardized and sanitized legacy metadata to implement data integrity and accessibility standards for a public-facing digital history platform

Archival Intern

Jun 2025 - Sep 2025

Spokane Valley Heritage Museum | Spokane Valley, WA

- Processed and organized archival collections using museum documentation standards
- Conducted primary-source research supporting exhibit narratives and institutional records
- Evaluated materials for provenance, historical significance, and preservation needs

SKILLS

Research & Analysis: Archival research, Historiographical analysis, Qualitative research, Theory-driven historical interpretation

Writing & Communication: Scholarly writing, Conference presentation, Public history and interpretive writing, Academic editing

Public History & Curation: Museum exhibits, Interpretive signage, Narrative design, Historic preservation research

Technical: Python, Streaming File I/O, Large-File Processing, SHA-256 hashing, Content-Addressed Storage Concepts, Binary File Formats & Parsing, CLI Tooling & Automation

PROJECTS

Aletheia: Artifact Integrity & Forensic Verification System

Jan 2026 - Present

Independent Systems Project | Cheney, WA

- Engineered a content-addressed artifact repository using streaming SHA-256 hashing to support memory-efficient ingestion of large binaries and deterministic object identification.
- Designed a dual-identity integrity model combining cryptographic digests with entropy-profile “forensic barcodes” to detect tampering and characterize structural modification patterns.
- Built a Python orchestration layer integrating a high-performance Odin entropy scanner, enabling configurable window/stride analysis and high-precision verification modes.
- Specified and implemented versioned binary record formats with explicit schema evolution rules, ensuring forward compatibility and reproducible artifact metadata parsing.
- Implemented differential and hierarchical zoom-scan workflows to localize corrupted byte ranges with sublinear re-scan costs, avoiding full artifact reprocessing during verification.

MarketLedger

Mar 2026 - Present

Independent Systems Project | Cheney, WA

- Architected a local-first market data store backed by SQLite, supporting multi-GB historical datasets and exchange-scoped universes.
- Designed a modular DAG execution engine with parallelizable forensic, valuation, and tail-risk nodes and strict data-contract enforcement modes.
- Implemented structured export contracts (portfolio CSV, HTML, decision log) to ensure auditability of selection and rejection logic.
- Developed backtesting and research query layers for evaluating signal stability, gate effectiveness, and drawdown risk characteristics.

Turnbull-Graph-Engine

Feb 2026 - Present

Independent Systems Project | Cheney, WA

- Built a deterministic ingestion pipeline converting OCR/PDF reports into structured Report → Page → Section graph hierarchies with schema constraints and replace-by-report reindexing.
- Implemented hybrid retrieval composing local graph evidence, community/global summaries, and vector/fulltext section search into a unified answer context.
- Designed modular ingestion, retrieval, and pipeline layers with CLI commands, schema verification, and rerunnable indexing workflows.

When Speech Learns Silence: Alterity, Domination, and the Ethics of Understanding in Luis Villoro

Sep 2025

Eastern Washington University | Cheney, WA

- Authored a full-length research article analyzing Luis Villoro’s philosophy of silence, recognition, and domination
- Synthesized phenomenology, political philosophy, and philosophy of language into a unified ethical framework
- Developed the concept of procedural silence as a non-dominating structure for discourse and historiography
- Article currently under peer review at the Inter-American Journal of Philosophy

Hope and Shadows

Oct 2025 - Jan 2026

Spokane Valley Heritage Museum | Spokane Valley, WA

- Co-curated and co-designed a museum exhibit addressing Cold War culture, civil rights, and regional history
- Produced interpretive materials, object labels, and exhibition narrative
- Contextualized local case studies within broader national developments
- Balanced interpretive clarity, historical accuracy, and visitor engagement

The Cold Millions: Fact and Fiction of The Spokane Free Speech Fight

Apr 2025 - Feb 2026

Eastern Washington University & Spokane Public Library | Cheney, WA / Spokane, WA

- Co-created a public exhibit at Spokane Public Library examining the historical context of The Cold Millions
- Conducted archival research on early 20th-century Spokane labor history, protest movements, and civic life
- Developed exhibit text, narrative structure, and interpretive framing for a general audience
- Integrated historical scholarship with literary representation to analyze how fiction shapes public memory
- Collaborated with librarians and faculty to translate academic research into accessible public history

Reuben Tarte Park Interpretive Signage Project

Sep 2025 - Dec 2025

San Juan County Parks & Fair Department | San Juan County, WA

- Researched local, environmental, and Indigenous history to inform permanent park signage
- Authored interpretive text for public-facing historical and educational displays
- Collaborated with county officials to ensure historical accuracy and accessibility compliance
- Translated archival research into durable, place-based public history materials

EDUCATION

Bachelors of Arts: History

Sep 2022 - Jun 2026 (Expected)
GPA 3.57

Eastern Washington University, Cheney, Washington

- Honors Program student with emphasis in historiography, public history, and political theory
- Coursework emphasis: historical theory, Latin American philosophy of liberation, constitutional history

AWARDS & HONORS

Honors Program Admission

Sep 2024

Eastern Washington University | Cheney, WA

- Admitted to the university Honors Program based on academic excellence
- Completed advanced coursework in research, theory, and interdisciplinary studies

Dean’s List

Sep 2025

Eastern Washington University | Cheney, WA

- Recognized for academic excellence through sustained high GPA during upper-division coursework

LEADERSHIP

Vice President

Dec 2024

Phi Alpha Theta – History Honor Society (Eastern Washington University Chapter) | Cheney, WA

- Elected to executive leadership of the university’s chapter of the national history honor society
- Helped reestablish and stabilize the chapter following a period of inactivity
- Supported organizational governance, academic programming, and continuity across academic years
- Assisted with mentoring undergraduate researchers and coordinating conference participation

Founder & Secretary

Sep 2025

Lewis County Rugby Club | Centralia, WA

- Co-founded and helped establish a nonprofit organization with a defined mission and governing structure
- Served as Secretary, responsible for organizational records, documentation, and internal governance
- Assisted with drafting bylaws, policies, and formal procedures to ensure institutional continuity
- Supported coordination of leadership, meetings, and organizational planning
- Contributed to the long-term sustainability and ethical direction of the organization

CONFERENCES/PRESENTATIONS

Challenging History Through Ritual

Oct 2025

Northwest Historians Guild

- Delivered peer-reviewed conference paper on the 1909–1910 Spokane Free Speech Fight
- Applied ritual theory and symbolic analysis to reinterpret IWW protest strategies
- Challenged dominant historiographical narratives
- Examined spectacle, suffering, and collective memory formation