

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 <i>Spokane Valley Heritage Museum Spokane Valley, WA</i>	<i>Feb 2026 - Present</i>
<ul style="list-style-type: none">Lead the design and execution of a museum-scale digital humanities initiative focused on historical newspaper digitizationServe as primary decision-maker for OCR architecture, risk management, and PastPerfect integrationImplement OCR pipelines optimized for multi-column, degraded, and skewed layoutsDevelop workflows emphasizing auditability, reversibility, and preservation of original source materialDeliver preservation-grade surrogates, searchable full text, and structured metadata improving staff research efficiency	
Research Assistant, History Department <i>Eastern Washington University Cheney, WA</i>	<i>Aug 2025 - Present</i>

Archival Intern <i>Spokane Valley Heritage Museum Spokane Valley, WA</i>	<i>Jun 2025 - Sep 2025</i>
<ul style="list-style-type: none">Processed and organized archival collections using museum documentation standardsConducted primary-source research supporting exhibit narratives and institutional recordsEvaluated 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

Aletheia: Artifact Integrity & Forensic Verification System  <i>Independent Systems Project Cheney, WA</i>	<i>Jan 2026 - Present</i>
<ul style="list-style-type: none">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  <i>Independent Systems Project Cheney, WA</i>	<i>Mar 2026 - Present</i>
<ul style="list-style-type: none">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  <i>Independent Systems Project Cheney, WA</i>	<i>Feb 2026 - Present</i>
<ul style="list-style-type: none">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	<i>Sep 2025</i>

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

Spokane Valley Heritage Museum | Spokane Valley, WA

Oct 2025 - Jan 2026

- 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

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

Apr 2025 - Feb 2026

- 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

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

Sep 2025 - Dec 2025

- 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

Eastern Washington University, Cheney, Washington

Sep 2022 - Jun 2026 (Expected)

GPA 3.57

- 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

Eastern Washington University | Cheney, WA

Sep 2024

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

Dean's List

Eastern Washington University | Cheney, WA

Sep 2025

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

LEADERSHIP

Vice President

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

Dec 2024

- 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

Lewis County Rugby Club | Centralia, WA

Sep 2025

- 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

Northwest Historians Guild

Oct 2025

- 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