

# NATHAN CAVENDER

(919) 260-7087 | [cavender.nat@gmail.com](mailto:cavender.nat@gmail.com)

## Professional Summary:

Master's student in Information Science at UNC Chapel Hill focused on AI evaluation, human-computer interaction, and data analysis. Hands-on experience developing and assessing LLM-driven systems, building annotation pipelines, and evaluating model performance using metrics such as precision and recall. Skilled in working with unstructured data, identifying inconsistencies in model outputs, and translating findings into clear insights for stakeholders.

## EDUCATION:

### University of North Carolina at Chapel Hill

M.S. in Information Science

expected completion: 5/25

### University of North Carolina at Chapel Hill

B.S. Information Science

GPA 3.45

completed 5/2024

### Durham Technical Community College

A.A.S. Information Technology-Web Development

GPA 3.82

completed 5/2022

## WORK EXPERIENCE:

**UNC-CH** Graduate Research Assistant Sept 2025-Dec 2025

- Worked for a joint School of Information and Library Science/Lab for Analytical Science project; Built and evaluated an AI-assisted annotation platform for analyzing conversational audio transcripts using a structured taxonomy of operator comments.
- Automated data processing workflows using Python and Excel to align transcripts, annotations, and model outputs.
- Developed an evaluation framework comparing LLM-generated outputs to human-labeled ground truth using precision, recall, fuzzy matching, and confusion matrices.
- Designed and executed experiments to identify inconsistencies and edge cases in model classification performance.

**National Center for Data Services** Intern June 2025-August 2025

- Collaborated on data curation and analysis for MIT Libraries' DSpace repository, working with visitor logs and download data to support data storytelling and insights.
- Cleaned and analyzed repository datasets, contributing to understanding user behavior and system usage patterns.
- Developed practical experience in data librarianship, including data management, curation, and stakeholder collaboration.

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**Devlin Builders**      Construction and Design Assistant      August 2020-Present

- Operationalized quote and proposal process using Excel, minimizing response time.
- Expanded market reach through brand expansion, increasing client inquiries.
- Implemented customer feedback methods to improve satisfaction and drive repeat business.

**Yokatoko Enterprises**      General Manager      January 2016-June 2020

- Led full-cycle hiring, onboarding, and training for new staff, combining structured training modules with hands-on coaching to build a high-performing team.
- Directed daily operations including inventory management, vendor coordination, and cost tracking to maintain profitability.
- Oversaw launch and growth of a new location, ensuring store design and operations met brand standards while building and managing a full team.
- Scaled store revenue from approximately \$1M in year one to \$1.4M by year four through operational improvements, team development, and consistent service quality.
- Managed catering operations across phone and online platforms, strengthening customer relationships and expanding recurring business.
- Executed local marketing and community engagement initiatives to increase visibility and drive sustained customer growth.

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## Skills and Relevant Coursework

INLS 500: Human Information Interactions

INLS 509: Information Retrieval

INLS 520: Organization of Information

INLS 582 Systems Analysis

INLS 620 Web Information Organization

INLS 641: Visual Analytics

INLS 718 User Interface Design

INLS 719 Usability Testing and Evaluation

INLS 818 Seminar in Human-Computer Interaction