

Alina Hagen

Email: alinahagen13@yahoo.com

Phone Number: (563)-940-4015

Location: Tampa, FL

Education

In Progress:

The University of South Florida | Tampa, FL

Bachelor of Science in Information Science, Concentration in Data Science and Analytics

Earned:

The University of Tampa | Tampa, FL

Bachelor of the Arts in Museum Studies, Minor in Criminology (GPA: 3.85). Magna Cum Laude.

Professional Experience

RA Machine Learning Lab Tech

Current

USF's Big Data Analytics Lab

- **Coding:** Extracted and Manipulated data using **R** and **Python**, utilized LLMs (e.g., **Llama 3.1**, **Mistral-70B**) for AI Chatbot creation and Retrieval-Augmented Generation (RAG)
- **Data Collection:** used **Brandwatch** to collect real-time data from multiple website APIs
- **Research Collaboration:** Collaborated with interdisciplinary researchers to integrate Big Data principles into academic and industry-centered projects.
- **Data Visualization:** Collaborated with researchers to create visualizations for academic papers to effectively communicate research findings.

Coding for Data Trainee

SPRING 2024

The Global Tech Experience

- **Analytic Coding:** Extracted and Manipulated data using **SQL** and **Python**
- **Data Analysis:** Analyzed user behavior and motivation across various industries and scenarios, gained insights into global business strategy by using data techniques such as **exploratory data analysis**, **summary statistics**, and **data visualization**, collaborated with a global team to complete analysis tasks.

Gallery Assistant

FEB 2021 – AUG 2023

The University of Tampa's College of Arts and Letter's Galleries.

- **Exhibitions:** Multimedia Installment with 10 variant media exhibitions, Physical and Virtual Exhibition Project Management
- **Collections Management:** Accessioning, Condition Reporting, and Archival Organization.
- **Customer Service:** Oversaw front-of-house operations and assisted with telecommunications.

Other Notable Experience

Campus Security	The University of	- Management over Student Peers and Schedule Creation
Student Assistant	Tampa Department of	- Operation of 2-way radios in volatile situations
Coordinator	Campus Safety.	- Confidential Communication
	1/2021 – 8/2021	- Conflict Management and Defusal

Recent Projects

The Global Tech Experience / The Recording Academy: Grammy.com Project

Conducted data analysis and visualization of website data for grammy.com (by the Recording Academy)

Communicated data-driven recommendations based on an understanding of metrics and business goals

Subconscious Visions: Dreams in the UT/USF CAM Collections: Co-Curator and Project Lead.

Virtual Exhibition regarding the role of the subconscious in the creation of art, and how one's dreams are reflected in the art they create. Utilized Artsteps, a virtual exhibition creator.

A Potential Picasso: A Forensic Signature Analysis between Pablo Picasso and a Thrift-Store Find: Independent Grant Funded Research.

Independent art historic research on the provenance of a potential Picasso painting guided by a faculty mentor. Accepted as a Poster Presentation at the Florida Undergraduate Research Conference (FURC) and an Oral Presentation at the National Conference of Undergraduate Research (NCUR). Selected for presentation to the University of Tampa's Board of Trustees.

Skills

Coding Languages:

- Python (Pandas, NumPy, Plotly)
- R (Tidyverse, ggplot2)
- SQL

Data Science Skills:

- Data Wrangling and Cleaning (Python, R, SQL)
- Statistical Analysis and Hypothesis Testing
- Machine Learning and Data Mining (Supervised and Unsupervised Techniques)
- Data Visualization (Tableau, ggplot2)
- NLPs (Tokenization, Topic Modeling, Sentiment Analysis)
- LLMs (Llama3.1, Mistral-70B)
- Feature Engineering and Model Tuning

Technical Programs:

- RStudio, Visual Studio Code, Tableau, Google Workspace, Jupyter Notebooks

Analytic and Soft Skills:

- Collaborative Research and Teamwork
- Independent and Group Project Management
- Strong Problem-Solving and Critical Thinking
- Effective Data Storytelling and Communication

Academic and Research Skills:

- Multidisciplinary Research Development
- Public Speaking and Research presentation at Academic Conferences
- Critical Analysis and Evaluation of Diverse Data sources into a synthesized conclusion
- Grant Writing and Budget Deliberation

Creative Skills

- Education Content Creation for Museum Visitors and Academic Audiences
- Proficient with Adobe Suite

References

Jocelyn Boigenzahn	Director of College Galleries	jboigenzahn@ut.edu
Dr. Rose Trentinella	Assistant Teaching Professor, Faculty Mentor	rtrentinella@ut.edu
Dr. Loni Hagen	Director of Big Data Analytics Labs, USF	lonihagen@usf.edu