

# Alina Hagen

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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

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