

Emilie Barbattini

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Passionate Information Science student with extensive experience in data collection, management and analysis. Proficient in business intelligence and visualization tools such as Python, Tableau/PowerBI, and SQL, with hands-on experience in managing large-scale national data archives and metadata databases. Detail-oriented and experienced in developing scripts to enhance data pipeline efficiency. Proven leader with strong logical and interpersonal skills, adept at handling multiple concurrent deadlines and complex project loads. Real-world experience in process management within both scientific and fast-paced business environments. Eager to join a forward-thinking team that values innovation, inclusion, and sustainable practices.

EDUCATION

UNIVERSITY OF COLORADO | Boulder, CO

Bachelor of Science, Information Science — Minor in Atmospheric and Oceanic Sciences

- GPA 3.9 – **Dean's List for 4 semesters** – College of Media, Communication, and Information
- Relevant Coursework: Python for Information Science, Statistics, SQL, Information Visualization, Web Data Science

PROFESSIONAL EXPERIENCE

JUNIOR DATA MANAGER

NOAA's National Center for Environmental Information | Boulder, Colorado | November 2023– Present

- Stewarding a **300 terabyte and growing** archive of scientific data on cloud platforms and tape storage, utilizing Linux OS to adapt to new data types and maximize ingest efficiency.
- Developing and troubleshooting **automated Python scripts** to improve data pipeline efficiency.
- Managing an **Oracle SQL database**, logging dataset metadata and ensuring comprehensive and accessible records.
- Collaborating with colleagues and customers to fulfill data requests via cloud services, hard drives, and FTP servers.

DATA ANALYTICS INTERN

Trinity College Dublin | Dublin 2, Ireland | June 2023 – August 2023

- Independently processed and cleaned large amounts of quantitative student data from approximately **130 secondary schools and universities** using intelligence programs such as Qualtrics and Excel.
- Designed dynamic and interactive data visualizations in **Tableau** to assess outreach intervention effectiveness, integrate student and teacher feedback, and present insights in an engaging and comprehensive format.
- Partnered with analysts and educators to present findings to department heads, **facilitating discussions** on outreach programs and their **impact across different demographics**.

SHIFT MANAGER

Chick-Fil-A Loveland | Loveland, Colorado | June 2020 – June 2022

- Led a team of **over 30 members** in overseeing shifts and day-to-day operations for a leading national restaurant chain with **annual sales exceeding \$5.5 million**.
- Addressed and **resolved** guest concerns, complaints, and special requests with a proactive approach, ensuring a high level of customer satisfaction and **fostering a positive dining experience**.

KEY SKILLS

Programming Languages: Python (Pandas, OOP), SQL, Bash Scripting, Git

Data Visualization: Tableau, PowerBI, Canva, Python (Matplotlib, Altair, Seaborn)

Data Management: Qualtrics, AWS, Google Cloud Platform

Operating Systems: Linux, Windows, MacOS

Communication Tools: Microsoft Office & G-Suite, Slack

Professional Skills: Attention to detail, Technical Presentation, Project Management, Analytical Problem Solving