

Emilio Nguyen

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SUMMARY

Detail-oriented Data Science Intern passionate about leveraging technology to improve healthcare outcomes. Proficient in developing and validating Large Language Model (LLM) pipelines, specializing in extracting vital clinical endpoints from Electronic Health Record (EHR) data. Currently pursuing a Master's degree in Data Science with demonstrated experience in data cleaning, extraction, and analysis tailored for clinical applications. Notable team player committed to continuous learning through cross-functional collaboration, resulting in effective communication of insights to both technical and non-technical stakeholders.

EDUCATION

Master's Degree in Data Science
University of Denver GPA: 3.8
Coursework: Python Programming, Machine Learning, Natural Language Processing, Data Visualization

2026
Denver, CO

TECHNICAL SKILLS

- **Programming Languages:** Python
- **NLP Techniques:** Natural Language Processing, Text Mining, Sentiment Analysis
- **Data Visualization Tools:** Matplotlib, Seaborn, Tableau
- **Machine Learning Frameworks:** TensorFlow, PyTorch, Scikit-learn
- **Database Management Systems:** SQL, MongoDB, PostgreSQL
- **Cloud Platforms:** AWS, Google Cloud, Azure
- **Version Control Systems:** Git, GitHub, Bitbucket
- **EHR Data Standards:** HL7, FHIR, DICOM
- **Software Development Methodologies:** Agile, Scrum, Kanban
- **Data Warehousing Solutions:** Snowflake, BigQuery, Redshift

SKILLS

- Python
- Natural Language Processing
- Data Analysis
- LLM APIs
- Data Cleaning
- EHR Data Handling

EXPERIENCE

Data Science Intern
University Research Lab

May 2026 - Present
Denver, CO

Facilitate innovative data projects focusing on clinical endpoint extraction and validation using LLM technology. Leverage strong coding skills in Python throughout the development of efficient workflows and documentation practices. Active participant in research initiatives across diverse teams within the lab set-up.

- Developed Python-based workflows to process unstructured clinical data, enhancing overall efficiency for health studies.
- Conducted validation efforts comparing automated outputs against manually curated datasets, ensuring heightened data accuracy.
- Collaborated actively with healthcare professionals to communicate clinical needs and translate them into actionable technical solutions.
- Built a comprehensive code repository that streamlined processes for data input and output in ongoing research projects.
- Analyzed performance metrics of different data extraction methodologies, presenting findings to enhance stakeholder decision-making.
- Contributed to the creation of an interactive interface allowing researchers to easily access processed clinical datasets.

Data Analyst
Academic Research

August 2025 - April 2026
Denver, CO

Engaged in significant academic work related to large-scale assessments of clinical data patterns and technologies. Focused primarily on optimizing various stages of dataset preprocessing and analysis in a university setting.

- Collaborated in research projects focused on applying LLM technologies to derive clinical endpoints from EHR records.
- Utilized NLP methods for thorough data cleaning and preprocessing, successfully implementing prompt techniques for improved model results.
- Performed detailed examination of edge cases in text data, validating results against recognized clinical scenarios.
- Documented critical research operations and results, facilitating valuable contributions to team publications and presentations.
- Created visualization tools effectively converting complex data results into accessible content for diverse audiences.
- Participated in peer review sessions ensuring research deliverables were rigorous and met the required scientific standards.

LEADERSHIP & AWARDS

- Dean's List, University of Denver, 2025
- Best Presentation Award, Data Science Symposium, 2025

CERTIFICATIONS

- Python for Data Science and Machine Learning Bootcamp 📅 2025
- Natural Language Processing with Python 📅 2025

PROFESSIONAL AFFILIATIONS

- Member, Data Science Club, University of Denver
- Volunteer, Local Health Data Initiative

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST