



MY CAREER



- Data Engineering Capstone Contributor at Academic Data Engineering Project (8 Months)
- Software Development Lab Contributor at University Software Development Lab (7 Months)

Contributed within a supervised lab focused on Java programming, microservices, data analysis, and **natural language processing**. Combined Core Java, Spring Boot, JavaScript, Python, statistics, and REST API documentation for demonstrations reviewed by faculty and peers.

- Processed 42,000 library events with **Core Java** collections, exceptions, and object-oriented design
- Separated catalog, borrower, and reporting functions in a Spring Boot **microservices** prototype
- Documented REST API contracts and used **JavaScript** filters for branch and date demonstrations
- Compared moving-average estimates with Python **statistics**, recording assumptions for short-term demand analysis
- Tokenized 3,200 comments for **text mining**, summarizing themes in a supervised NLP exercise
- Presented tests and design limits to six reviewers, then clarified errors and documentation

PROJECTS

Community Transit Demand Explorer 📅 2026

Created a practical analytics concept for transit planners using Python, PostgreSQL, time series analysis, and Tableau. Focused on readable demand trends, documented assumptions, and clear recommendations for service discussions.

Campus Comment Insight Toolkit 📅 2025

Built a small natural language processing and text mining workflow for anonymized campus comments. Used tokenization and theme summaries to turn unstructured feedback into useful review material.

LEADERSHIP & AWARDS

- Dean's List, University of New Hampshire, Fall 2025 and Spring 2026
- Outstanding Capstone Presentation, Department of Computer Science, 2026
- Undergraduate Research and Project Showcase Finalist, 2026

CERTIFICATIONS

- Python for Everybody Specialization 📅 2025
- SQL for Data Science 📅 2025
- AWS Academy Cloud Foundations 📅 2026

PROFESSIONAL AFFILIATIONS

- Peer Mentor, Computer Science Peer Learning Group, University of New Hampshire, 2025 - 2026
- Project Coordinator, Student Data and Analytics Association, University of New Hampshire, 2025 - 2026
- Volunteer Workshop Presenter, Campus Python Study Sessions, 2025

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST