

Transition Deliverables and Self-Evaluation (May–October 2025)

This document includes two sections: (1) a structured list of transition items summarizing completed work and materials to be documented or handed over, and (2) an objective self-evaluation comparing the scope of work to standard postdoctoral expectations.

Part I: Transition Deliverables and Documentation Plan

1. Research and Implementation Artifacts

- **Code and Pipelines**

- Full preprocessing and analysis pipeline for clause-level classification.
- Text-to-graph conversion modules: dependency graph, three SRL graph variants (weighted, predicate, clause-anchored).
- Graph-based model implementations (GCN, GAT) and error analysis utilities.
- Scripts for semantic conflict analysis (TF-IDF, LSA, SBERT, Jaccard similarity).
- Auto-labeling and heuristic annotation tools for the WOVEN dataset.
- Phrase-splitting and decision-structure pipeline scripts.

- **Data and Reports**

- Cleaned and processed datasets: intent classification data, WOVEN subsets, Bethesda analysis outputs.
- Feasibility and data-quality reports (graph abstraction, imbalance, noise, ambiguity).
- Reduced representative datasets and decision-rule experiment outputs.

- **Documentation**

- Input/output documentation for each major script and module.
- Dataset descriptions and data dictionary for WOVEN, Bethesda, and sample sets.
- `environment.yaml` and dependency setup files.

2. Writing and Presentations

- Workshop paper draft (five graph experiment variants; conclusions on feasibility).
- Two Yale AI Seed Grant proposals (communication and education themes).
- Literature reviews on graph-based NLP abstraction and intent modeling.
- Poster for Yale Postdoc Symposium (hierarchical narrative + healthcare theme).
- Two internal presentations on visual narratives in healthcare and education.

3. Conceptual and Analytical Notes

- Decision-rule induction experiment designs and diagrams.
- Summaries of literature on reverse-engineering noisy labels and ML robustness.
- Notes on intent categorization (interactional vs. goal-oriented).
- Ongoing references and discussion notes for virtual patient and healthcare visualization topics.

4. Transition Preparation Tasks (October–November)

- Compile all deliverables (scripts, datasets, analyses, reports) in shared repository.
- Organize documentation folder with readme and usage instructions.
- Prepare final memo summarizing progress, key findings, and next-step recommendations.
- Verify that all processed data and reports are accessible to the team.

Part II: Self-Evaluation and Workload Analysis

Overview

Between May and October 2025, the work encompassed multiple concurrent research streams, including clause-level graph-based modeling, semantic conflict analysis, dataset design, and visual narrative applications. All assigned and self-initiated duties were completed to a professional standard, and transition documentation is in progress.

Workload Evaluation Against Postdoctoral Norms

Category	Typical Expectation	Documented Work	Evaluation
Research Ideation	Support PI's ideas	Conceived and wrote two full proposals independently	Exceeds standard scope
Implementation & Analysis	Contribute to code or methods	Developed complete pipelines and graph-based models	Above average technical depth
Writing & Documentation	Co-author papers	Led workshop paper and authored technical reports	Demonstrates lead-author capability
Project Ownership	Follow assigned direction	Defined subprojects and maintained reusable frameworks	Indicates strong independence
Literature & Presentation	Contribute to group reviews	Conducted multiple reviews and presented findings	Meets and exceeds expectations
Transition Effort	Minimal documentation	Comprehensive handover and archiving	Thorough and well-documented

Summary

- The workload represents a combination of technical, analytical, and conceptual efforts that collectively align with advanced postdoctoral or early independent research expectations.
- Deliverables cover full project life cycles: ideation → implementation → analysis → documentation.
- The transition materials provide continuity for future team work and support transparent project handover.

Prepared by:

Yi-Chun (Rimi) Chen

Postdoctoral Associate, Yale University

Period Covered: May–October 2025