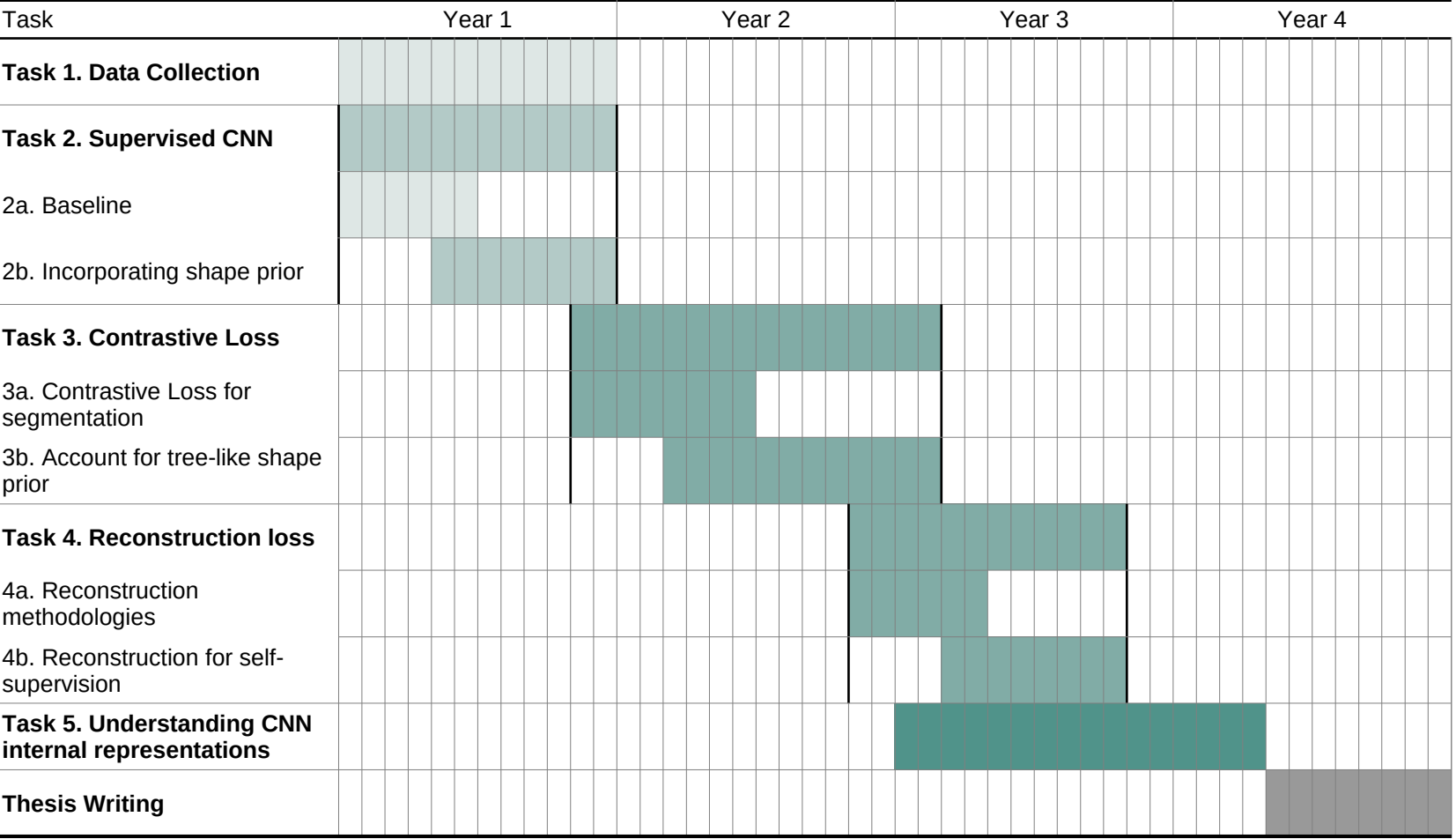
Task
Year 1
Year 2
Year 3
Year 4
Task 1. Data Collection
Task 2. Supervised CNN
2a. Baseline
2b. Incorporating shape prior
Task 3. Contrastive Loss
3a. Contrastive Loss for segmentation
3b. Account for tree-like shape prior
Task 4. Reconstruction loss
4a. Reconstruction methodologies
4b. Reconstruction for self-supervision
Task 5. Understanding CNN internal representations
Thesis Writing