Healthcare applications	Pneumonia detection from chest X-rays (Scientific Reports'22, Nature Portfolio)	detecti (Scientif	on from MRIs fic Reports'22, re Portfolio)	ge (E	dical dialog eneration MNLP'20, ACL'21b)	Pathology visual question answering (ACL'21a)	3D Medical Imaging Segmentation (AAAI'23)
ML tasks	Neural architecture search (ICML'22, CVPR'22, CVPR'21, ACM MM'22)				Data reweighting (ICLR'22, ACL'22, TACL'22, AAAI'22)		
Instances of Skillearn	Learning by self-explanation (NeurIPS'22)		Small-group learning (CVPR'22)		Learning by teaching (Scientific Reports'22, Nature Portfolio)		
	Learning by ignoring (ACL'21a)		Reading by summ (TACL'22a)		•	Learning from mistakes (AAAI'22)	
	End-to-end contrastive learning (TACL'22b)		Image understanding captioning (ACM MM		•	Self-directed learning (Al Open'22)	
Skillearn	``.						^
framework	Skillearn: ML Training Strategies Inspired by Humans' Learning Skills (Under review)						

System Betty: An Easy-to-Use Programming Framework for Multilevel Optimization (Under review)

framework