Pratyay Banerjee

PERSONAL INFO
21 OCT, 1992
Apt 32, 910 E Lemon Street
Tempe, AZ-85281, USA
Citizenship : India, F1 Visa

PH - +1-4802427693
Email - pbanerj6@asu.edu
Scholar, LinkedIn, Website, Github

INTERESTS
Natural Language Understanding, Neural Reasoning, Vision + Language, Question Answering

EDUCATION

Ph.D., Computer Science & Engineering
Arizona State University, USA   Aug 2018 - Current
GPA : 4.0 / 4.0
Bachelor of Engineering, Computer Science & Engineering
Jadavpur University, India   July 2014
GPA : 8.8 / 10

PUBLICATIONS

Self-supervised Knowledge Triplet Learning for Zero-shot QA
P. Banerjee, C. Baral   EMNLP, 2020

MUTANT: A Training Paradigm for Out-of-Distribution Generalization in VQA
T. Gokhale, **P. Banerjee**, C. Baral, Y. Yang   EMNLP, 2020

Video2Commonsense: Generating Commonsense Descriptions to Enrich Video Captioning
Z. Fang, T. Gokhale, **P. Banerjee**, C. Baral, Y. Yang   EMNLP, 2020

VQA-LOL: Visual Question Answering under the Lens of Logic
T. Gokhale, **P. Banerjee**, C. Baral, Y. Yang   ECCV, 2020

VQA with Annotation-Efficient Zero Shot Learning under Linguistic Domain Shift
P. Banerjee, T. Gokhale, Y. Yang, C. Baral   Under Review AAAI, 2021

Can We Teach a Transformer To Reason About Effects of Actions?
P. Banerjee, C. Baral, M. Luo, A. Mitra, K. Pal, T. C. Son, N. Varshney Under Review AAAI, 2021

Careful Selection of Knowledge to solve Open Book Question Answering
P. Banerjee, K. Pal, A. Mitra, C. Baral   ACL, 2019

Explanation ReGeneration using Language Models and Iterative Re-Ranking
P. Banerjee   TextGraphs-13, 2019

Knowledge Guided Named Entity Recognition for BioMedical Text
P. Banerjee, K. Pal, M. Devarakonda, C. Baral   Under Review ACM Health

Knowledge Fusion and Semantic Knowledge Ranking for Open Domain QA
P. Banerjee, C. Baral   CoRR, 2020

Natural Language QA Approaches using Reasoning with External Knowledge
C. Baral, **P. Banerjee**, K. Pal, A. Mitra   CoRR, 2020

Exploring ways to incorporate additional knowledge to improve NLQA
A. Mitra, **P. Banerjee**, K. Pal, S. Mishra, C. Baral   CoRR, 2019

WORK EXPERIENCE

ASU - Cognition and Intelligence Lab, Research Assistant   2018 - Curr.
Flipkart - User Identity & Insights, Senior Software Development Engineer 3   2015 - 2018
Yahoo SDC- International Sports Team, Software Development Engineer   2014 - 2015
Indian Statistical Institute, Kolkata - Crypto Lab, Research Assistant   2013 - 2014
IIT Kharagpur, India - CNERG Lab, Research Assistant   2013

AWARDS & HONORS

University Doctoral Fellowship,Travel Award Fellowship   2018, 2019, 2020
Flipkart Hackathon Winner (200 Teams)   2016, 2018
Microsoft AI Challenge Top 5 (500 Teams)   2018
Top 0.001% in the Joint Entrance Exam of the IITs & NITs (1.3M students) 2010
CBSE Undergraduate Fellowship   2010-2014

TEACHING

Teaching Assistant: Principles of Programming   2018
Teaching Assistant: Natural Language Processing   2019,2020

SERVICE & LEADERSHIP

Teaching and Research Awards Reviewer for the GPSA at ASU: 2019,2020.
Reviewer: AAAI 2020, CIKM 2020, EMNLP 2020, ACL 2020, EMNLP Workshop 2019
Have lead and managed teams of size 2-4 on multiple projects in Flipkart.