Yash Kumar Lal

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(443)-207-3261

Education

Stony Brook, NY — **Stony Brook University** — **August 2020 –**

- PhD in Computer Science. Advisor: Niranjan Balasubramanian. Research Area: Question Answering

Baltimore, MD — **Johns Hopkins University** — **August 2018 – May 2020**

- M.S.E. in Computer Science. Thesis: Low resource problems in NLP. Advisor: Philipp Koehn. CGPA: 3.94

Manipal, India — **Manipal Institute of Technology** — **Aug 2014 – June 2018**

- B.Tech. in Computer Science Engineering. CGPA: 3.34

Employment

Research Intern — **Allen Institute for Artificial Intelligence** — **May 2023 – Aug 2023**

- Mentor: Niket Tandon

Research Intern — **Salesforce Inc.** — **May 2022 – Aug 2022**

- Project Title: Leveraging Knowledge Graphs for Pre-Training Question Decomposers
- Designed a strategy to extract synthetic data from KBs analogous to multi-hop reasoning steps
- Mentors: Semih Yavuz, Ye Liu, Yingbo Zhou

Research Intern — **IIIT-Hyderabad** — **May 2017 – July 2017**

- Extended previous work to enhance neural embeddings for polysemous words (Python, Word2Vec)
- Created more fine-grained representations than Word2Vec

Technical Experience

Publications

- **One Size Does Not Fit All: Customizing Open-Domain Procedures**. Under Review.
- **Systematic Evaluation of GPT-3 for Zero-Shot Personality Estimation**. WASSA@ACL 2023.
- **Evaluating Paraphrastic Robustness in Textual Entailment Models**. ACL 2023.
- **Using Commonsense Knowledge to Answer Why-Questions**. EMNLP 2022.
- **Proceedings of the First Workshop on Commonsense Representation and Reasoning**. CSRR@ACL 2022
- **TellMeWhy: A Dataset for Answering Why-Questions in Narratives**. Findings of ACL-IJCNLP, 2021.
- **IrEne-viz: Visualizing Energy Consumption of Transformer Models**. EMNLP Demo, 2021.
- **IrEne: Interpretable Energy Prediction for Transformers**. ACL-IJCNLP, 2021.
- **Temporal Reasoning in Natural Language Inference**. Findings of EMNLP, 2020.
- **Sentence-Level Adaptation for Low-Resource Languages**. LoResMT workshop, MT Summit, 2019.
- **De-Mixing Sentiment from Code-Mixed Text**. ACL Student Research Workshop, 2019.
- **Johns Hopkins University Submission for WMT News Translation Task**. WMT, 2019.
- **Identifying Clickbait: A Multi-Strategy Approach Using Neural Networks**. SIGIR, 2018.

Projects

- **Ping** - A smart platform for language independent communication between businesses and their customers. Uses AI to present messages to users, in their preferred language. (Swift 3, Python, Redis, Travis CI, AWS)
- **hello friend** - SMS service utilising natural language processing to bring essential smartphone features to simple feature phones. (Python, Heroku)

Service and Awards

- **Chair**: NAACL 2022 Reproducibility Track
- **Organizer:** Commonsense Representation and Reasoning Workshop, ACL 2022
- **Reviewer:** ECIR ’19, ’21; WMT ’19; TALLIP ’20; EMNLP ’21-’22; ACL Rolling Review Nov ’21 - present
- **Program Committee:** ACL SRW ’20-’21; AACL SRW ’20; NAACL ’21; NAACL SRW ’21, ACL ’23
- **Winner, Acceleprise Award** at AngelHack Global Demo Day ’17, San Francisco; AngelHack Hyderabad ’17
- **Finalist**: Microsoft code.fun.do National Showcase, 2017 (top 10 in India)