KALPESH KRISHNA

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EDUCATION

University of Massachusetts, Amherst   Sept '18 - Present
MS/PhD in Computer Science
(advised by *Prof. Mohit Iyyer*)
Major GPA: 4.0/4.0

Indian Institute of Technology, Bombay   July '14 - July '18
B.Tech in Electrical Engineering, *Minor* in Computer Science
(advised by *Prof. Preethi Jyothi*)
Major GPA: 9.74/10 (**2ⁿᵈ** *among 66 students*), Minor GPA: 10/10

INTERSHIPS

Google AI Language   May '19 - September '19
Research Intern under Gaurav Singh Tomar and Ankur Parikh   New York, NY

Toyota Technological Institute at Chicago   May '17 - July '17
Research Intern under Karen Livescu, Liang Lu and Kevin Gimpel   Chicago, IL

Mozilla Foundation   May '16 - August '16
Google Summer of Code Intern under Armen Zambrano   Mumbai, India / London, UK

RESEARCH PAPERS

- Thieves on Sesame Street! Model Extraction of BERT-based APIs
  K. Krishna, GS. Tomar, AP. Parikh, N. Papernot, M. Iyyer
  (under submission, available on request)

- Generating Question-Answer Hierarchies
  K. Krishna, M. Iyyer
  ACL 2019

- Syntactically Supervised Transformers for Faster Neural Machine Translation
  N. Akoury, **K. Krishna**, M. Iyyer
  ACL 2019

- Trick or TReAT: Thematic Reinforcement for Artistic Typography
  P. Tendulkar, **K. Krishna**, R. Selvaraju, D. Parikh
  ICCC 2019 (*Best Presentation Award*)

- Revisiting the Importance of Encoding Logic Rules in Sentiment Classification
  K. Krishna, P. Jyothi, M. Iyyer
  EMNLP 2018 (*oral presentation*, short paper)

- Hierarchical Multitask Learning for CTC-based Speech Recognition
  K. Krishna, S. Toshniwal, K. Livescu

- [A Study of All-Convolutional Encoders for Connectionist Temporal Classification](#)
  K. Krishna, *L. Lu, K. Gimpel, K. Livescu*
  ICASSP 2018 (*Awarded SPS Travel Grant*)

AWARDS

- **Victor Lesser Graduate Scholarship 2019** at UMass Amherst

- **Sharad Maloo Gold Medal 2018** at IIT Bombay
  (For outstanding academic and extra-curricular achievements at IIT Bombay)

- **UMass CICS Graduate Fellowship 2018**

- **Cargill Global Scholarship 2016-18**
  (Awarded by the IIE and Cargill Inc for academic achievements and leadership potential)

- **Institute Organizational Color 2016-17** at IIT Bombay
  (For achievements while leading the Web and Coding Club)

- **Institute Academic Prize 2015-16** at IIT Bombay

TALKS

- AllenNLP Summit, August 2019
  (Lightning talk on using AllenNLP for education)

- UMass Data Science Research Symposium, April 2019
  (On hierarchical question-answer generation)

- IIT Bombay Computer Science Cybersecurity Club Seminar, April 2018
  (On adversarial examples for machine learning)

- IIT Bombay BioBytes Seminar, February 2018
  (On end-to-end speech recognition)

- IIT Bombay Web and Coding Club Reflections Seminar, February 2018
  (On end-to-end speech recognition)

RESPONSIBILITIES

- **Mentoring** two UMass undergraduates (Jack Merullo, Luke Yeh) on their honors thesis (2019-)

- **Graduate Teaching Assistant** at UMass Amherst in *Deep Learning for NLP* (2019)

- **Institute Student Mentor** at IIT Bombay (2017-18)

- **Manager, Web and Coding Club** at IIT Bombay (2016-17)

- **Teaching Assistant** at IIT Bombay in *Computer Programming* (2016) and *Linear Algebra* (2017)

SERVICE

- **Program Committee / Reviewer** for IJCV '19, EMNLP '19, ACL SRW '19

- **Secondary Reviewer** for ACL '19, NAACL '19, ICLR '19

- **Student Volunteer** at ACL '19. Also awarded the ACL 2019 Student Scholarship

OTHER ACHIEVEMENTS

- Selected for JSALT '17, organized by JHU's Center for Language and Speech Processing[2]

- **Top 10** at the Astronomy Olympiad's Indian Selection Camp for IOAA '14, (20000 applicants)

- All India Rank 93 in JEE Advanced '14 *(out of 126,000 candidates)*
  All India Rank 34 in JEE Mains '14 *(out of 1,400,000 candidates)*
  All India Top 100 in CBSE XII '14 *(out of 1,000,000 candidates)*
  All India Rank 2 in ICSE '12 *(out of 132,000 candidates)*
  Awarded by Pune city institutions for being the city topper in each of these exams

- Passed the National Standard Exam in Physics '14 and National Standard Exam in Chemistry '14, the first rounds in the Indian selection procedure for the International Physics Olympiad and the International Chemistry Olympiad respectively

- Selected for the Kishore Vaigyanik Protsahan Yojana (KVPY) Award '14 (1,000/20,000 applicants)

EXTRA-CURRICULAR

- **Blogging** - Active blogger on graduate school applications, biking and computer science

- Led the development of a beginner's programming wiki with the Web and Coding Club, IIT Bombay

- **StackOverflow** - Active contributor, top 8% overall

- **Karate** - Black Belt (1st Dan) trained in Kyokushin Kai for seven years, district level winner

- **Abacus & Mental Arithmetic** - Aloha grandmaster, national and state level winner

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[2]Couldn't attend due to clashing college schedule