OJASV KAMAL

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EDUCATION

Indian Institute of Technology Kharagpur — Kharagpur, India
B.Tech M.Tech Dual Degree, Mechanical Engineering; CGPA: 8.85/10 — *July 2018 – Present*

Sukriti World School — New Delhi, India
All India Senior School Certificate Examination (AISSCE); Percentage: 92.8/100 — *2017 – 2018*

Scholars Rosary Senior Secondary School — Rohtak, India
All India Secondary School Examination (AISSE); CGPA: 10/10 — *2015 – 2016*

PUBLICATIONS

3. **When to Make Exceptions: Exploring Language Models as Accounts of Human Moral Judgment**
   Zhijing Jin, Sydney Levine, Fernando Gonzalez, **Ojasv Kamal**, Maarten Sap, Mrinmaya Sachan, Rada Mihalcea, Josh Tenenbaum, Bernhard Schölkopf.
   In Proceedings of the Advances in Neural Information Processing Systems 35 (NeurIPS 2022).
   Available at https://arxiv.org/abs/2210.01478.
2. **Adversities are all you need: Classification of self-reported breast cancer posts on Twitter using Adversarial Fine-tuning.**
   Adarsh Kumar*, **Ojasv Kamal***, Susmita Mazumdar* (Equal Contribution).
   In Proceedings of the Sixth Social Media Mining for Health (SMM4H) Workshop and Shared Task NAACL 2021. Available at https://aclanthology.org/2021.smm4h-1.22/.
1. **Hostility detection in Hindi leveraging pre-trained language models.**
   Ojasv Kamal*, Adarsh Kumar* (equal contribution), Tejas Vaidhya.
   International Workshop on Combating Online Hostile Posts in Regional Languages during Emergency Situation, AAAI 2021. Available at https://link.springer.com/chapter/10.1007/978-3-030-73696-5_20

RESEARCH EXPERIENCE

Analysing Meta-Contrastive Learning for Few-Shot Slot Filling
NUS, Web Information Retrieval / Natural Language Processing Group, with Prof. Min-Yen Kan

- Interpreted the complex process of meta-learning by studying the two levels of base and meta learning separately.
- Quantified the effect of using contrastive learning as the base learning algorithm for few-shot slot filling.
- Performed 42 abilation tests on 7 dataset domains to study the effect of removing each domain.
- Correlated the performance drop with 19 out-of-domain metrics representing text properties to interpret the role of contrastive learning in meta learning.

WORK EXPERIENCE

Amazon AI, *Research Intern* — July 2019 - present
MIT Media Lab, *Undergraduate Researcher* — Sept 2017 - Feb 2018
Shanghai Jiao Tong University, *Undergraduate Researcher* — July 2017 - Aug 2017
Vega Global Japan, *Assistant to Country Manager* — Jan 2017 - Feb 2017
Eastern International Academy, *International Teacher* — July 2016 - Aug 2016

AWARDS & HONORS

1. **First Class Honours**, The University of Hong Kong, 2019.
2. **HKU Foundation Entrance Scholarship**, The University of Hong Kong, 2015 - 2019.
   Top 3 among 19,000 students in the National College Examination in Shanghai, China.
   Covered 4 years of tuition fees for undergraduate study.
3. **Hong Kong Government Scholarship Fund**, Hong Kong, 2017 - 2019.
4. **Hong Kong, China - Asia-Pacific Economic Cooperation Scholarship**, Hong Kong, 2018 - 2019.
5. **Rosita King Ho Scholarship** for Academic Excellence in **Exchange to National Taiwan University** (GPA: 3.86/4.3), Taiwan, 2017.
6. **Hong Kong Government Reach-Out Award** for Volunteer Work in Phnom Penh, Cambodia, 2016.
7. **Dean's List**, The University of Hong Kong, 2015, 2016.

INVITED TALKS

Mar 11, 2020. "Language Adversarial Attack against BERT." Invited Talk at University of Michigan Language and Information Technologies Lab, United States.

Mar 2, 2020. "The Power of Unsupervised Text Generation – Taking Adversarial Attack as an Example." Invited Talk at Max Planck Institute for Intelligent Systems, Germany.

Feb 12, 2020. "New Advances in NLP Adversarial Attack." Invited Talk by *S*yncedTech, one of the top media on Artificial Intelligence. The talk hit a record high of 3,697 listeners.

PROFESSIONAL SERVICE

Reviewer, the 2020 Annual Conference of the Association for Computational Linguistics. ACL 2020.

ADVISING & MENTORING

Master Students

- Xiaoyu Xing, 2020. Master in Computer Science at Fudan University.

Undergraduate Students

- Yongyi Yang, 2019-2020. Undergraduate in Computer Science at Fudan University.
- Yuchun Dai, 2020. Undergraduate in Computer Science at Fudan University.

SELECTED PRESS

"Hey Alexa, sorry I fooled you." MIT News, 2020. http://news.mit.edu/2020/hey-alexa-sorry-i-fooled-you-0207.

"TextFooler Generates Adversarial Text to Strengthen Natural Language Models." ACM TechNews, 2020. https://technews.acm.org/archives.cfm?fo=2020-02-feb/feb-07-2020.html

COMMUNITY CONTRIBUTION

1. **Member of Effective Altruism** in Shanghai, China, 2019 - present.
2. **Volunteer Kids' Church Organizer** at Cambridge Community Fellowship Church, MA, US, 2018.
3. **Volunteer Teacher** in Phnom Penh, Cambodia, 2016.
   Rewarded *Hong Kong Government Reach-Out Award 2016*.
4. **Volunteer Kids' Church Helper** at Saint Peter's Church, Shanghai, China, 2015.
5. **Volunteer Teacher** at Three-Leaf Clover Kindergarten for Autistic Children, Shanghai, China, 2014.

SKILLS

Languages	English, Mandarin, German, Japanese, Cantonese, Shanghainese, Classical Chinese
Programming Skills	Python, Javascript, NodeJS, PHP, CSS, HTML, Excel VBA, Java, C/C++, MySQL
Design Skills	Photoshop, Unity, WordPress, Prezi, Microsoft Suite (Word, Excel, Powerpoint)
Technologies	Pytorch, TensorFlow, Keras