

DI WU

+1 (310)498-8193 ◊ diwu@cs.ucla.edu ◊ <https://xiaowu0162.github.io/>

EDUCATION

University of California, Los Angeles

Los Angeles, CA

Ph.D. in Computer Science

09/2022-Present

UCLANLP Group (with Prof. Kai-Wei Chang)

- Research Interests: keyphrase generation, text generation evaluation, retrieval-enhanced language models

University of California, Los Angeles

Los Angeles, CA

B.S. in Computer Science, Summa Cum Laude

08/2018-06/2022

- Overall GPA: **3.973/4.000**
- HSSEAS Dean's Honor List (8 times)

RESEARCH EXPERIENCE

UCLA NLP Lab

Los Angeles, CA

Student Researcher, Supervisor: Prof. Kai-Wei Chang

02/2021 - present

- Research on neural keyphrase generation methods and their evaluation.
- Research on building robust and reliable evaluation metrics for text generation.
- Collaborate with Taboola. Using an internal dataset as the use case, experiment with keyphrase generation and adaptation methods and compare with the company's working pipeline.

The Ozcan Research Group, UCLA

Los Angeles, CA

Student Research Assistant, Supervisor: Prof. Aydogan Ozcan

09/2019 - 06/2022

- Researched on virtual staining of skin tissues with an emphasis on Basal Cell Carcinoma. Designed methods to improve both single-image quality and temporal coherence of the predictions.
- Explored dataset engineering and data augmentation methods to mitigate class imbalance.

PUBLICATIONS

Wu, D., Ahmad, W. U., and Chang, K. W. (2023). Rethinking Model Selection and Decoding for Keyphrase Generation with Pre-trained Sequence-to-Sequence Model. *EMNLP 2023*.

Wu, D., Yin, D, and Chang, K. W. (2023). KPEval: Towards Fine-grained Semantic-based Evaluation of Keyphrase Extraction and Generation Systems. *In submission*.

Wu, D., Ahmad, W. U., and Chang, K. W. (2022). Pre-trained Language Models for Keyphrase Generation: A Thorough Empirical Study. *In submission*.

Wu, D., Ahmad, W. U., Dev, S., and Chang, K. W. (2022). Representation Learning for Resource-Constrained Keyphrase Generation. *Findings of the ACL: EMNLP 2022*.

Li, J., Garfinkel, J., Zhang, X., **Wu, D.**, Zhang, Y., de Haan, K., Wang, H., Liu, T., Bai, B., Rivenson, Y., Rubinstein, G., Scumpia, P., and Ozcan, A. (2021). Biopsy-free in vivo virtual histology of skin using deep learning. *Light: Science & Applications*, 10(1), 1-22.