PO-NIEN KUNG

 https://github.com/billkunghappy https://billkunghappy.github.io/ponien-kung

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EDUCATION

University of California, Los Angeles   *September 2022 - Present*
Ph.D. student in Computer Science
– Advisor: Nanyun (Violet) Peng

National Taiwan University   *September 2017 - June 2021*
Bachelor of Computer Science and Information Engineering

SELECTED PUBLICATIONS

**Active Instruction Tuning: Improving Cross-Task Generalization by Training on
Prompt Sensitive Tasks**   *EMNLP 2023*
Po-Nien Kung, Fan Yin, Di Wu, Kai-Wei Chang, Nanyun Peng

Do Models Really Learn to Follow Instructions? An Empirical Study of Instruction Tuning   *ACL 2023*
Po-Nien Kung, Nanyun Peng

Efficient Multi-Task Auxiliary Learning: Selecting Auxiliary Data by Feature Similarity   *EMNLP 2021*
Po-Nien Kung, Yi-Cheng Chen, Sheng-Siang Yin, Tse-Hsuan Yang, Yun-Nung Chen

Zero-Shot Rationalization by Multi-Task Transfer Learning from Question Answering   *EMNLP 2020 Findings*
Po-Nien Kung, Tse-Hsuan Yang, Yi-Cheng Chen, Sheng-Siang Yin, Yun-Nung Chen

Multi-Task Learning for Situated Multi-Domain End-to-End Dialogue Systems   *AAAI 2021 DSTC9 Workshop*
Po-Nien Kung, Chung-Cheng Chang, Tse-Hsuan Yang, Hsin-Kai Hsu, Yu-Jia Liou, Yun-Nung Chen

RESEARCH EXPERIENCE

MediaTek Research   *October 2021 – January 2022*
Researcher Intern
- Worked on a **retrieval augmented transformer** with a multi-hop end-to-end retrieval system. The work has been accepted in the sixth Fact Extraction and VERification Workshop (FEVER) at EACL 2023.

National Taiwan University   *July 2021 – December 2021*
Research Assistant
- Researched the field of **efficient multi-task learning** advised by **Prof. Yun-Nung Chen**. Help giving research advice to undergrad students in **MiuLab**.

Microsoft   *March 2021 – July 2021*
Research Intern
- Researched the **multi-modal transformer**. Cannot provide more information due to the non-disclosure agreement.

DSTC9-SIMMC Contest   *June 2020 – September 2020*
Team Leader
- Led a five-person team to develop a **multi-modal dialogue state tracking model** (DSTC9 Track 4). Proposed an end-to-end model using multi-task and multi-domain training. Won the **runner-up(second place)** on the response generation subtask.

OTHER EXPERIENCE

Gridwell   *July 2018 – January 2020*
Part-Time Software Developer
- Developed three integrated web applications for real-time data management using LAMP as back-end structure and various front-end APIs such as Bootstrap, Google Map, ChartJS, etc, accompanied with MySQL database management.

NTU CSIE NASA Team *July 2018 – January 2021*
DNS Team Leader
- Maintained DNS and ESXI servers in the NTU CSIE department.

Web Developer *October 2019 – July 2020*
Freelancer
- Poseidon Network website
- Binance 2020 Blockchain Week In Vietnam website
- Binance 2020 Blockchain Virtual Conference website
- Taipei National University of the Arts freshman admission website

SKILLS

Programming Language:	C, Python, PHP, JavaScript
Software:	Web, Android APP
System & Server:	UNIX, DNS server, MySQL, ESXI

AWARDS

- **Principal Award** in National Taiwan University Undergraduate Thesis Award
- **Honorable Mentioned Prize** in NTU CSIE Special Topic Exhibition