

# PO-NIEN KUNG

🌐 <https://github.com/billkunghappy> 🏠 <https://billkunghappy.github.io/ponien-kung>

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## EDUCATION

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**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*

## PUBLICATIONS

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**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

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**MediaTek Research**

October 2021 – January 2022

*Researcher Intern*

- Designed a **retrieval augmented transformer** with a multi-hop end-to-end retrieval system. The work is currently under review at **NAACL 2022**.

**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

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**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

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

## AWARDS

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

## SELECTED COURSES

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<b>Security and Privacy of Machine Learning</b> - National Taiwan University	<i>1st Semester 2020/2021</i>
<b>Natural Language Processing</b> - National Taiwan University	<i>2nd Semester 2019/2020</i>
<b>Applied Deep Learning</b> - National Taiwan University	<i>2nd Semester 2019/2020</i>
<b>Machine Learning Foundations</b> - National Taiwan University	<i>1st Semester 2018/2019</i>