

Terry Zhuo

NLP RESEARCHER · PROGRAMMER

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“Be the change that you want to see in the world.”

Summary

Current Computer Science Undergraduate at UNSW. Experience in digital signal processing, quantum computing and natural language processing. Research interests lie in question answering, language model and vision-language grounding. Super nerd who loves Python, C++ and Linux and enjoys to customize all of the development environment. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises.

Work Experience

Monash Univeristy

Melbourne, Victoria

RESEARCH ASSISTANT, SUPERVISED BY **Reza Haffari** AND **Lizhen Qu**

May. 2020 - Present

- Working closely with PhD students in the team on several NLP projects.
- Proposed a zero-shot question answering model that improves over the state-of-the-art QA models.
- Co-authored a long paper in COLING 2020.

UNSW Sydney

Sydney, Australia

CASUAL ACADEMIC

Feb. 2020 - Present

- Teaching in **ENGG1000: Introduction to Engineering Design and Innovation**
- Teaching in **ELEC2134: Circuits and Signals**. The only undergraduate in the team while remains are PhDs.

Quantum Computation and Communication Technology (CQC2T), UNSW Sydney

Sydney, Australia

RESEARCH STUDENT, SUPERVISED BY **Arne Laucht**

Nov. 2019 - Sep. 2020

- Proposed a research project of digitizing the lock-in amplifier in MATLAB.
- Proposed the implementation structure of the digitizing lock-in amplifier in the team's quantum computing system.

Microsoft

Shanghai, China

SOFTWARE ENGINEERING INTERN

Dec. 2019 - Feb. 2020

- Applied Azure SQL DB/DW, Azure Data Lake Storage, Azure Data Lake Analytics, Azure Machine Learning, Stream Analytics, Azure Data Factory, or Cosmos DB to companies' data.
- Designed cloud architecture for top tier companies.
- Strongly recommended by **Michael Wang**.

Project

Off-world Robotics Project, Vertically Integrated Project

UNSW Sydney

RESEARCHER

Feb. 2020 - Present

- Determineing the constraints of our embedded systems, sourcing embedded boards for use on the prototype rovers, and testing them with an RTOS or scheduling architecture.
- Researching existing approaches to the SLAM problem, comparing them, and proposing a SLAM system for use on the rovers.

Py Googletrans

Github

CONTRIBUTOR, COLLABORATOR

May. 2020 - Present

- **Star: 2.0k**
- **Fork: 408**
- Googletrans: Free and Unlimited Google translate API for Python. Translates totally free of charge.

Sphinx Markdown Builder

Github

CONTRIBUTOR

May. 2020 - Present

- **Star: 79**
- **Fork: 28**
- Sphinx builder that outputs markdown files.

Education

Extracurricular Activity

BLUESAT

POWER ENGINEER

- Working on the satellite project which will be launched in 2021-2022.
- Supervising in MPPT board testing and designing.

UNSW Sydney

Oct. 2019 - Present

ELSOC UNSW

ACADEMIC TUTOR, SUB-COMMITTEE MEMBER

- Ran crashcourses (lectures) where more than twenty students on average attended.

UNSW Sydney

May. 2019 - Present

Publication

COSMO: Conditional SEQ2SEQ-based Mixture Model for Zero-Shot Commonsense Question Answering

COLING 2020

FARHAD MOGHIMIFAR, LIZHEN QU, **YUE ZHUO**, MAHSA BAKTASHMOTLAGH AND GHOLAMREZA HAFARI

Honors & Awards

- | | | |
|------|---|---------------|
| 2019 | Dean's Honours List (Highly Commended) , Top 2% of UNSW Engineering | <i>Sydney</i> |
| 2019 | Taste of Research scholarships Recipient (A\$5,000) , TOP 12 of UNSW Engineering | <i>Sydney</i> |
| 2020 | Taste of Research scholarships Recipient (A\$6,000) , TOP 43 of UNSW Engineering | <i>Sydney</i> |

Service

- | | | |
|------|---------------------------------|--------------------|
| 2020 | Volunteer , EMNLP 2020 | <i>Online</i> |
| 2020 | Volunteer , NeurIPS 2020 | <i>Online</i> |
| 2020 | Volunteer , WiNLP 2020 | <i>Seattle, WA</i> |