Son Quoc Tran

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EDUCATION

Denison University, Granville, OH — Graduation Date: May 2024
Bachelor of Arts, Computer Science and Mathematics — GPA: 3.93 /4.00

Coursework: Advanced Natural Language Processing (VietAI), Tensorflow Processing Specialization (Coursera), Deep Leaning Specialization (Coursera), Machine Learning (Coursera), Applied Statistics (Denison), Linear Algebra (Denison), Artificial Intelligence (Denison)

PUBLICATION

Son Quoc Tran, Phong Nguyen-Thuan Do, Uyen Le, Matt Kretchmar. "**The Impacts of Unanswerable Questions on the Robustness of Machine Reading Comprehension Models**" The 17th Conference of the European Chapter of the Association for Computational Linguistics (**EACL 2023**) [PDF]

Son Quoc Tran, Phong Nguyen-Thuan Do, Kiet Van Nguyen, Ngan Luu Thuy Nguyen. "**Revealing Weaknesses of Vietnamese Language Models Through Unanswerable Questions in Machine Reading Comprehension**" Student Research Workshop at European Chapter of the Association for Computational Linguistics (**SRW EACL 2023**)

Kiet Van Nguyen, **Son Quoc Tran**, Luan Thanh Nguyen, Tin Van Huynh, Son T. Luu, Ngan Luu-Thuy Nguyen. "**VLSP 2021 - ViMRC Challenge: Vietnamese Machine Reading Comprehension**" The 8th International Workshop on Vietnamese Language and Speech Processing (**VLSP 2021**) [PDF]

RESEARCH EXPERIENCE

The UIT NLP Group, Ho Chi Minh city, Vietnam — February 2021 – present
Undergraduate Research Assistant (Advisor: *Kiet Van Nguyen*)

- I work in the field of Natural Language Understanding; my area of focus is specifically on Machine Reading Comprehension in the Vietnamese language.
- I aim to establish high-quality benchmarks for the Vietnamese language and to develop state-of-the-art pre-trained language models for Vietnamese.

Denison University, Ohio, USA — November 2021 – present
Undergraduate Research Assistant (Advisor: *Matt Kretchmar*)

- I work on evaluating the robustness and interpreting the reliability of Machine Reading Comprehension models against adversarial attack.
- I investigate the intersectional biases present within Natural Language Understanding models, with the goal of uncovering potential issues and working towards their mitigation.

TEACHING ASSISTANT

Intermediate Computer Science (Denison University) — Fall 2022
Professor: Matt Kretchmar

SKILLS

Programming: Python, C++, Java, R
Deep Learning Framworks: Pytorch, Huggingface, Tensorflow, Keras, JAX