DO, Van Quyet

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Education

- **M.Phil, Computer Science and Engineering** Aug 2022 - Present
  Hong Kong University of Science and Technology (HKUST)
  Specialization: Natural Language Processing, Data Mining
  CGA:

- **B.Sc, Data Science and Pure Math (Advanced)** Aug 2018 - Jun 2022
  Hong Kong University of Science and Technology (HKUST)
  CGA: 3.996/4.3 as of Graduation

Research Interests

I always want to apply what I learned to real life. Currently, I am interested in applying AI to various aspects of society, including mental healthcare and education, specifically using:

- Natural Language Processing (Sentiment Analysis, Knowledge Graph, Dialogue and Language Generation, Machine Translation)
- Machine Learning and Data Mining (Reinforcement Learning, Deep Learning, Information Retrieval)

Experience

- **Research Assistant** Sep 2021 - Present
  HKUST Knowledge Computation Group, led by Prof. Yangqiu SONG
  - Help to train and test Knowledge Models
  - Propose, experiment ideas to populate Commonsense Knowledge Graph

- **Research Assistant** Sep 2019 - Sep 2021
  HKUST Cheminformatics Lab, led by Prof. Haibin SU
  - Crawled and processed raw data of chemical reactions
  - Applied Machine Learning and Reinforcement Learning to tasks in Reaction Graphs
  - Utilized various OCR tools and implemented ad-hoc algorithms to extract data from research papers

- **AI Internee** Mar 2021 - Sep 2021
  Vietnam Technology International, Research and Development group
  - Involved in projects in Computer Vision and Natural Language Processing (NLP),
  - Gained interest and specialty in NLP
  - Key person of an internal project in Machine Translation, took part in almost all aspects of the project (in MLOps cycle)

- **Teaching Assistant**   Aug 2017 – Jul 2018
  CMath - a Mathematics Center
    - Graded and corrected student's homework, sometimes taught the classes
    - Did monthly evaluation and prepared bimonthly tests for students

Publications

Certifications and Qualifications

- AWS Builders Online Series Attendance [2021]
- Shopee Code League Completionist [2020]
- IELTS: Overall 6.5 (Band 6.5 for Writing) [2018]

Awards and Honors

- Awardees for the 16th, 17th HKUST Epsilon Fund Award [2021, 2022]
- Dean's List Student of HKUST [All Semesters except Spring 2021]
- Top Quartile in Simon Marais Mathematics Competition [2018]
- The Bronze Medal at the 58th International Mathematical Olympiad [2017]
- The Second Prize in the National Mathematical Competition for Excellent Students [2016, 2017]

Extracurricular activity

- **Leader/Singer**   Mar 2022 - Present
  QTQ Music Group @ HKUST
    - Organize bi-weekly music activities for Vietnamese students at HKUST,
    - Manage the Youtube channel

- **Member**   Aug 2017 - Present
  Nurturing Talent program (Vietnam)
    - Bridge the connection of HKUST School of Science and Nurturing
      Talent Vietnam
    - Lead all music events since 2020, wrote the theme song of the program

- **Member**   May 2019
  HKUST Hall VI Badminton Team
    - Represented Hall VI (in both male-included disciplines) to compete with
      other halls in an annual sport competition

- **Mentor**   Jul 2018
  MaSSP – Math and Science Summer Program
    - Prepared the topic and all necessary materials
    - Coached mentees to learn ground knowledge, guided them to develop
      their own ideas

Skills and Hobbies

- **Technical**: mainly use Python and PyTorch for scripting codes, familiar to TPU-training and Cloud Computing
- **Management**: establish tasks for involved projects, motivate others, work effectively under pressure and limited supervision
- **Language**: Vietnamese (Native), English (proficient), Chinese (beginner)
- **Other skills**: multi-dimensional analysis, problem-solving, writing
- **Hobbies:** badminton, cycling, traveling, comedy, especially singing