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Anh Tu Nguyen

Education

2016–2021: **Bachelor Engineer Degree**, *Posts and Telecommunications Institute of Technology*, Hanoi, Vietnam.
Major: Information Technology
Programing, Data structures and algorithms, Analysis & design of information systems

Research Experience

Posts and Telecommunications Institute of Technology, Hanoi, Vietnam

2019-present **Legal Text Processing**.
Research and develop neural network architecture to extract information from legal text
Graduate theis: Extract information from legal question

Advisor :   **Dr Ngo Xuan Bach**, *Associate Professor, Vice Dean of Faculty of Information Technology*,Posts and Telecommunications Institute of Technology (PTIT), Hanoi, Vietnam. (*Personal Web-page*)

VinBrain JSC, Vietnam

2021-present **Medical text processing, audio processing**.
Research, develop and apply state-of-the-art neural network architecture, ML algorithm for medical text processing and audio processing

Advisor :   **Hoang Vu**, *Head of speech and language processing department*, VinBrain JSC, Vietnam (*Web-page of Company*)

Job Experience

10/2020- **Technology Specialist**, *Vingroup Big Data Institute*.
5/2021   -Learning the courses Linear Algebra, Probability & Statistics, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, AI Ethics
-Work on the Machine Learning course final project 'Vietnamese Text Sentiment Classification'
-Work on the Deep Learning course final project 'Transferring Images into Vietnamese Traditional Painting Style'

6/2021- **Applied Scientist**, *Vinbrain JSC*.
present - Building an automatic radiology report editing system through voice
- Building a stroke detection chatbot
- Building a booking appointment chabot
- Building a medical equipment registration classification system
- Building a spelling correction service
- Building a capitalization and punctuation recovery model

Computer skills

Programming Languages Python, JAVA

Frameworks and libraries	Pytorch, Scikit-learn, Numpy, Pandas, Matplotlib, Flask
Software Development	Programming Pradigms, GIT
Database	MySQL
Languages	**Native:** Vietnamese, **Fluent:** English

Publications

In Conference Proceedings

2021   **Nguyen Anh Tu**, Hoang Thi Thu Uyen, Tu Minh Phuong, and Ngo Xuan Bach. Analyzing vietnamese legal questions using deep neural networks with biaffine classifiers. In *Neural Information Processing*, pages 513–525. Springer International Publishing, 2021.

2021   Manh Hung Nguyen, Vu Hoang, **Tu Anh Nguyen**, and Trung H. Bui. Automatic Radiology Report Editing Through Voice. In *Proc. Interspeech 2021*, pages 4862–4863, 2021.

2021   Ta Duc Huy, **Nguyen Anh Tu**, Tran Hoang Vu, Nguyen Phuc Minh, Nguyen Phan, Trung H. Bui, and Steven Q. H. Truong. Vimq: A vietnamese medical question dataset for healthcare dialogue system development. In *Neural Information Processing*, pages 657–664. Springer International Publishing, 2021.