

Long Phan

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EDUCATION

Case Western Reserve University Expected MAY 2022
Bachelor of Science in Computer Science
Concentration: Software Engineering / Deep Learning - Natural Language Processing
Cumulative GPA: 3.48

Publications

- **SciFive: a text-to-text transformer model for biomedical literature**, 2021
 - **CoTextT: Multi-task Learning with Code-Text Transformer**, NLP4Prog 2021, a workshop of ACL
 - **SPBERT: Pre-training BERT on SPARQLQueries for End-to-end Question Answering over Knowledge Graphs**, in reviewing for ISWC 2021
 - **Hierarchical Transformer Encoders for Vietnamese Spelling Correction**, IEA / AIE 2021
 - **Leveraging Transfer Learning for Reliable Intelligence Identification on Vietnamese SNSs (ReINTEL)**, 7th International Workshop on Vietnamese Language and Speech Processing VLSP 2020
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EXPERIENCE

- National Cancer Institute (NCI):** Deep Learning Research Special Volunteer; October 2020 - present
- Worked in the lab of Dr. Grégoire Altan-Bonnet to develop a new transformer-based pre-trained biomedical language representation model
- Zalo Group:** AI Software Engineer Intern; April - October 2020
- Researched and Developed a scalable system translating domain specific natural language questions into Knowledge Graph's Query in **Java** and **Python**.
 - Improved previous techniques and models with more than 0.97 accuracy score
 - Created a backend pipeline and an Admin Dashboard to efficiently keep track of new data with **Spark**, **Kafka** and **ReactJs**
- VNG Corporation:** AI Software Engineer Intern; May - August 2019
- Initiated the development of a **first agnostic Named-entity recognition (NER) module** capturing and resolving date/time text into structured data in **Haskell** and **Java** for Ki-Ki, the first Vietnamese intelligent personal assistant
 - The module has been deployed for 80 million users on [Zing Mp3](#)
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PROJECTS

- Machine Learning Accessibility Initiative:** January 2020 - present
- A web application platform that uses deep learning analysis of input data to provide customized machine learning capabilities for users with no experience in artificial intelligence
 - Built with Python Django, MongoDB, ReactJS, Google Cloud Platform
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SKILLS

Programming Language: Java, JavaScript, Python
Frameworks and Libraries: TensorFlow, Tensor2tensor, ReactJS, React-Native, Flask, Express.js, RestAPI, Elastic Search, Kibana, MongoDB, Docker, SQL, Linux Environment