

Long Phan

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EDUCATION

Case Western Reserve University Expected May 2022

Bachelor of Science in Computer Science

Concentration: Artificial Intelligence / Software Engineering

Cumulative GPA: 3.48

Computer Science GPA: 4.0

Relevant Courses: Introduction to programming in Java, Data Structures, Discrete Math, Software Craftsmanship, Operating System, Algorithms, Probability, Database Systems, Software Engineering, Artificial Intelligence, System Programming

EXPERIENCE

Zalo Group: AI Software Engineer Intern; April 2020 - present

- Researched and Developed a system translating natural language questions into Knowledge Graph's Query.
- Improved previous techniques and models with more than 0.97 accuracy score
- Applied the state-of-the art BERT Model and integrated into solving domain specific Question Answering System for Ki-Ki, **the first Vietnamese intelligent personal assistant**

VNG Corporation: AI Software Engineer Intern; May - August 2019

- Initiated and led the development of an agnostic Named-entity recognition (NER) module capturing and resolving date/time text into structured data for Ki-Ki
 - Built an algorithm and rule-based system resolving structured time data for Vietnamese Lunar Calendar questions **based on FacebookAI Duckling**
 - Turned Kiki into the first Conversational Agent fully support Vietnamese Date/Time (both solar and lunar day)
 - The module has been deployed for 10 million+ users on [Zing Mp3](#) and extensible into a tokenizer for Ki-Ki's search engine
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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, GatsbyJS, Google Cloud Platform

CWRU Fast Class Search: October 2019 - present

- Entrepreneurship project advised by Professor Ronald Loui
- Initiated and full-stack developer of a distributed, multitenant-capable full-text search engine for more than 6000 classes at Case Western Reserve University
- Built with Elastic Search, MongoDB, Python Scrapy, Docker, ReactJS, Google Analytics

HackCWRU-2020 Organizer: Case Western Reserve University, Spring 2019 - present

- Organized the university's annual MLH Hackathon and main developer for [HackCWRU-2020](#)'s official website
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SKILLS

Programming Language: Java, JavaScript, Python, R

Software and Frameworks: BERT, scikit-learn, Java Spring, ReactJS, React-Native, Flask, Express.js, RestAPI, Elastic Search, Kibana, MongoDB, Docker, SQL, Linux Environment