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
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 domain specific 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 single-task 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 80 million users on Zing Mp3 and extensible as a core NER solving other Natural Language Processing problems for Ki-Ki

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 Univeristy
- 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

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