Long N. H. 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: 3.7
Computer Science GPA: 4.0
Relevant Courses: Introduction to programming in Java, Data Structures, Discrete Math

WORK EXPERIENCE

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

- Initiated and led the development of an agnostic NER module capturing and resolving date/time text into structured data for Kiki, the first Vietnamese virtual personal assistant
- Built an algorithm and rule based system resolving structured time data for Vietnamese Lunar Calendar questions
- Turned Kiki into the first Conversational Agent fully support Vietnamese Date/Time (both solar and lunar day)
- The module will be deployed on Zalo App (100 millions users), Zing Mp3 (50 millions users) and extensible into a tokenizer for KiKi's search engine

LEADERSHIP AND ACTIVITIES

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

- Organized the Case Western Reserve University's Hackathon which will be held in Feb 2020 and the Local Hack Day in Fall 2019
- Main Developer and Maintainer for the HackCWRU-2020's official website, built with React.js

Case Rocket Team; Case Western Reserve University, August 2018 - present

- Designed and built a rocket qualified for the National Association of Rocketry Level 1 HPR Certification
- Designed a radio system that alow rocket to live streamming at the 10000 feet altitude for the FAR MARS 1030

SKILLS

Programming Language: Java, Haskell, Python, R

Software and Frameworks: Haskell Tool Stack, Spring, React.js, Elastic Search, Kibana, InfluxDB

PROJECTS

HowsTheMarketWorksAPI

- An API for HowTheMarketWorks's stock market simulation game
- Attempt to do some basic trading algorithms with more than 100,000 data points crawled by Python Scrapy
- Build with Python and InfluxDB

Battery Health Report:

- A software that analyzed how the laptop capacity degrade over time compared to the design capacity
- Extracted raw battery data from Windows and cleaned with R (integrate with Java)
- Built with Java, R, and Spring

Apache Tomcat 9 Free Port

- Free the Apache Tomcat 9 server port(eg 8080) used by other Listening Port or another Tomcat instance
- Save users time and the inconvenience of reset/kill the Listening Port manually when working with JavaEE
- Built with Java, and Spring