

# 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

**Culmulative GPA:** 3.7

**Computer Science GPA:** 4.0

**Relevant Course:** Introduction to programming in Java, Data Structures, Discrete Math

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## WORK EXPERIENCE

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

- Proposed and led a development of a agnostic NLU module capturing and resolving date/time text into structured data for the first Vietnamese Intelligent Virtual Assistant(KiKi) at Zalo AI
- 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
- The module has a potential to be deployed on [Zalo App](#)(100 millions users), [Zing Mp3](#)(50 millions users) and extensible into a tokenizer for KiKi's search engine

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## 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 allow rocket to live streaming at the 10000 feet altitude for the FAR MARS 1030

**Greenhouse and hydroponic room;** Project manager, Carney's Future Farmers of America; 2016 -2017

- Proposed and constructed a first green house and hydroponic for the Carney High School during cultural exchange year in Oklahoma with first batch consisting of 75+ tomato plants and 50 leafy greens

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## SKILLS

**Programming Language:** Java, Haskell, Python, R

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

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## PROJECTS

**HowTheMarketWorksAPI**

- 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: [Link to Project](#)

**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: [Link to Project](#)

**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: [Link to Project](#)