

# Long N. H. Phan

[lnp26@case.edu](mailto:lnp26@case.edu) • Cleveland, OH  
[linkedin.com/in/Long-Phan-3110](https://www.linkedin.com/in/Long-Phan-3110) • [github.com/justinphan3110](https://github.com/justinphan3110)

---

## 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

---

## WORK EXPERIENCE

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

- Developing a first module capturing and resolving date/time text into structured data for the first Vietnamese Question-Answering System at Zalo AI
- Build an algorithm and rule-based system resolving time data for Vietnamese Lunar Calendar questions
- The module has a potential to be deploy on the [Zalo App](#) for more than 100 millions users

---

## LEADERSHIP AND ACTIVITIES

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

- Organize 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

- Design and build a rocket qualified for the National Association of Rocketry Level 1 HPR Certification
- Design 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

---

## SKILLS

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

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

---

## 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](#)