

# Long Nguyen Hoang 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:**

- Taken: Introduction to programming in Java, Data Structures, Discrete Math
- In Progress: Software Craftsmanship, Operating System, Algorithms, Probability, Database Systems

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## EXPERIENCE

**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 Kiki, the first Vietnamese intelligent personal assistant
- Built an algorithm and rule-based system resolving structured time data for Vietnamese Lunar Calendar questions in Haskell and Java
- 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

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## PROJECTS

**HowTheMarketWorksAPI:** Summer 2019

- An API for [HowTheMarketWorks](#)'s stock market simulation game
- Attempt to do basic trading algorithms with more than 100,000 data points crawled by Python Scrapy
- Build with Python, InfluxDB, and Google Cloud Platform Virtual Machines

**Battery Health Report:** Spring 2019

- 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 and R

**Apache Tomcat 9 Free Port:** Spring 2019

- Free the Apache Tomcat 9 server port used by other Listening Port or another Tomcat instance
- Reduced the inconvenience of reset/kill the Listening Port manually when working with JavaEE
- Built with Java (Spring)

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## LEADERSHIP AND ACTIVITIES

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

- Organized the university's Hackathon which will be held in Spring 2020 and the Local Hack Day in Fall 2019
- Attended annual Major League Hacking events and Hackathons
- Main Developer and Maintainer for the [HackCWRU-2020](#)'s official website, built with React.js

**Github Campus Expert:** Case Western Reserve University, Fall 2019 - present

- In training progress to be a GitHub Campus Expert hosted by GitHub to support and grow the developer community on campus

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## SKILLS

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

**Software and Frameworks:** Haskell Tool Stack, Spring, Elastic Search, Kibana, InfluxDB