

# 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, Software Craftsmanship, Operating System, Algorithms, Probability, Database Systems
- In Progress: Software Engineering, Artificial Intelligence, System Programming

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## EXPERIENCE

**VNG Corporation:** 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 has been deployed for 10 million users on [Zing Mp3](#) and extensible into a tokenizer for KiKi's search engine

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## PROJECTS

**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 University
- Attempted to let students more flexible in exploring the topics and classes that the school offer instead of just traditionally looking for class name and code on the portal
- Built with Elastic Search, MongoDB, Python Scrapy, Docker, Java REST API, and React.js

**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)

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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, Reactjs, React-Native, Nodejs Express, RestAPI, Elastic Search, Kibana, MongoDB, Docker, SQL