

# Long Nguyen Hoang 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)

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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:** 3.48

**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

**Machine Learning Accessibility Initiative:** January 2020 - present

- A web application platform that uses deep learning analysis of input data to provide customized machine learning capabilities for users with no experience in artificial intelligence
- Main developer for the pipeline coordination of applications and interactions between the machine learning algorithms, back-end, and front-end
- Built with Python Django, MongoDB, ReactJS, GatsbyJS

**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 ReactJS

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## LEADERSHIP AND ACTIVITIES

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

- Organized the university's annually Hackathon and Local Hack Day
- Attended annual Major League Hacking events and Hackathons
- Main Developer and Maintainer for the [HackCWRU-2020](#)'s official website, built with ReactJS

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## SKILLS

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

**Software and Frameworks:** Java Spring, ReactJS, React-Native, Django, Express.js, RestAPI, Elastic Search, Kibana, MongoDB, Docker, SQL, Linux Environment