

# LONG N. H. PHAN

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## EDUCATION

**Case Western Reserve University**, Cleveland, Ohio

Bachelor of Science, Computer Science, Expected May 2022

Concentration: Artificial Intelligence / Software Engineering

**GPA:** 4.0

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

## WORK EXPERIENCES

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

**Vietstar Industry Corporation;** Full-time Intern/Electrician; June-July, 2018

- Assembled and electrical wiring low-voltage electrical switchboards based on assembly drawings and Schneider Electric transferred technology
- Comfortable with AutoCAD

## LEADERSHIP AND ACTIVITIES

**HackCWRU2020 Organizer;** Case Western Reserve University, 2019 - present

- Organize Case Western Reserve University Hackathon which will be held in Feb 2020 and the Local Hack Day in fall 2019
- Main Developer and maintainer for the HackCWRU2020's website: [hack.cwru.edu](http://hack.cwru.edu)

**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
- Involved in the System Subteam to design and build a radio system that allow the rocket to live streaming at the 10,000 feet altitude for the FAR MARS 1030 - held in Mojave, CA in June 2019

**Sharing and Caring Kitchen;** Volunteer, United Methodist Church of Babylon; Sept 2017- May 2018

- Volunteered to help run a soup kitchen, feeding 50-70 homeless people every Sunday
- Collaborated with another student to run the Kitchen due to the chairperson's surgery, from October to December, 2018

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

- Proposed a construction of a greenhouse and hydroponic room at Carney High School, which was approved and completed with the first batch consisting of 75+ tomato plants and 50 leafy greens

## SKILLS

**Programming language:**      **Comfortable:** Java, R  
   **Familiar:** Javascript

**Software and Frameworks:** React.js, MVC, Spring Framework, Java Servlets, JSP, JDBC

## PROJECTS

- **Battery Health Report:-** A software that Analyzed how the capacity degrade over time compare to designed capacity (Personal Project)
  - Extracted raw battery data from Windows and cleaned to get the battery health data
  - Built with Java, R and Spring: [www.github.com/justinphan3110/Battery-Health-Report](http://www.github.com/justinphan3110/Battery-Health-Report)
- **Tomcat 9 Free Port:**
  - Free the Apache Tomcat server port (eg 8080) used by other LISTENING PORT
  - Save users time and the inconvenience of resetting/kill the Tomcat port manually
  - Built with Java, Spring: [github.com/justinphan3110/Apache-Tomcat-9-Free-Port](http://github.com/justinphan3110/Apache-Tomcat-9-Free-Port)
- **DeBruijn Card Trick:** - Employed De Bruijn arbitrary sequence to create a magic trick based on a sequence of binary number based on the color of the 52-cards (CWRU Local Hack 2018)
  - Built with Java: [github.com/justinphan3110/DeBruijn-Card-Trick](http://github.com/justinphan3110/DeBruijn-Card-Trick)