

# Hoang Phan

## Summary of Qualifications

Strong in **Data Structures and Algorithm**.

3 years experience with **C++**

Familiar with **Python, Latex, Javascript, Racket**

## Experience

**KMS Technology**, *AI Software Engineering Intern*

**Summer 2017**

- Implemented a resume-parsing algorithm in **Python** for a recruiting chat bot.
- Gathered training dataset by scraping more than **10000 resumes** from various sites using **beautifulsoup** (indeed, jobspider,...).
- Applied **scikit-learn** library to classify different resume section and then used **Dynamic Programming** to optimize them.

## Projects

**Foodguru**

**Summer 2016**

- <https://github.com/phvietan/FoodGuru>
- Developed an Android app with **phvietan** in Java used to save eating location and provide suggestions based on different criteria of the user.
- Used **Google Maps API** to find the nearest path between the user's location and that of restaurants' for distance requirement.

**Whisper**

**Winter 2017**

- <https://aqueous-brook-57134.herokuapp.com/>
- Technologies: **socket.io, node.js javascript, jade**
- An open multi-room anonymous chat application. Deployed using heroku.

**NewVietConverter**

**Winter 2017**

- <https://petrpan26.github.io/NewVietConverter/>
- Technologies: **javascript, materialize, html**
- A web application to translate Vietnamese to the newly proposed style of Professor Bui Hien.

## Competitive Programming

My performance on multiple popular online coding platform.

**Codeforces**

**Hackerrank**

**Codechef**

- |                            |                       |                       |
|----------------------------|-----------------------|-----------------------|
| • Username: honganptnk1518 | • Username: petrpan   | • Username: petrpan   |
| • Percentile: 96.64 %      | • Percentile: 91.85 % | • Percentile: 98.63 % |

## Awards and Honours

**Finalist** in *Code To Win Final 2018 in Waterloo region*

**2018**

- Created a prototype for Whazzup, an application that helps users find local Facebook events.

**Silver medal** in *Asia Pacific Informatics Olympiad*

**2017**

- Placed 35 out of 164 students in an international algorithmic competition for more than 30 countries.

**15th place** in *ACM-ICPC Vietnam National Contest*

**2016**

- Competed as a high school team in a collegiate level contest. Placing 15th out of 180 collegiate and high school teams in Vietnam.

**Finalist** in *Vietnam Facebook Hackathon 2016 in Ho Chi Minh city*

**2016**

- Created a prototype for Whazzup, an application that helps users find local Facebook events.

## Education

**Candidate for Bachelor of Computer Science** *University of Waterloo*

**2017 — 2022 (expected)**

**Relevant Courseworks:** Design Functional Programs (Advanced Level), Calculus(Advanced Level), Linear Algebra (Advanced Level)