

# Hoang Phan

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## Skills

**Languages:** C++, Python, Latex, Java JavaScript, Racket, HTML, CSS.

**Technologies:** Node.js, Socket.io, Google API, scikit-learn, keras, Android, Bootstrap, Heroku.

## Experience

**KMS Technology, AI Software Engineering Intern**

**Summer 2017**

- Designed a **Naive Bayes** resume-parsing algorithm in **Python** for a recruiting chatbot.
- Trained the model with more than 10000 resumes scraping from different recruiting websites.
- Applied **scikit-learn** library to classify different resume section and then used **Dynamic Programming** to optimize the text extraction.

## Projects

**Toxic Comments Detector**

**Winter 2017**

- Implemented and tested multiple model on a multi-label text classification model using **keras** and **scikit-learn**.
- Reached a high accuracy by using **Ensemble Model** on **Logistic Chain Classifier** and word-embedding **Recurrent Neural Network**.
- Our team got into top 500 of a **Kaggle** competition for the model (<https://www.kaggle.com/c/jigsaw-toxic-comment-classification-challenge>)

**NewVietConverter**

**Winter 2017**

- <https://petrpan26.github.io/NewVietConverter/>
- Self-implemented my own translation algorithm to convert Vietnamese from old format to the new one.
- Designed a responsive website with **Materialize.CSS** plug in.
- Scraped the dictionary data online with a **JavaScript** script.

**Whisper**

**Winter 2017**

- <https://aqueous-brook-57134.herokuapp.com/>
- Used **socket.io** to reimplement a server-side multi-room chat platform and applied **express.js** for routing.
- Deployed it using **Heroku**.

**Foodguru**

**Summer 2016**

- <https://github.com/phvietan/FoodGuru>
- Developed an Android memo 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 criteria.

## 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

**2nd Place in Communitex Code To Win Final 2018**

**2018**

- Score perfect score in a algorithmic contest for students all over Canada the final and won 1000 CAD.

**Silver medal in Asia Pacific Informatics Olympiad**

**2017**

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

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

**2016**

- Placed 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)**

**Core courses GPA: 3.97/4**