Hoang Phan

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⊕ Github: github.com/petrpan26

Skills

Languages: C++, Python, Latex, JavaScript, Racket, HTML, CSS, Scala.
Technologies: Node.Js, Socket.io, scikit-learn, keras, Android, Bootstrap, Heroku, Scala.js, Play.

Experience

KMS Technology, *AI Software Engineering Intern*   **Summer 2017**
- Desgined a **Naive Bayes** resume-parsing algorithm in **Python** for a recuiting chatbot.
- Trained the model with more than 10000 resumes scraping from different recuiting 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.
- Deplyed 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

Codeforces
- Username: honganptnk1518
- Percentile: 96.64 %

Hackerrank
- Username: petrpan
- Percentile: 91.85 %

Codechef
- Username: petrpan
- Percentile: 98.63 %

Awards and Honours

Best Machine Learning App *in Hack the Valley 2018*   **2018**
- Created a prototype for Fruitify, which is a image detection app that detect fruits and suggest smoothie recipe.
- Wrote the code to process data and API to connect to the detector running in an AWS server.

2nd Place *in Communitech Code To Win Final 2018*   **2018**
- Received a 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.

Education

Candidate for Bachelor of Computer Science *University of Waterloo*   **2017 — 2022 (expected)**
Core courses GPA: 3.97/4