Duy Nguyen

Mobile: +84 985 310995
Email: duynguyen.ori75@gmail.com
Linkedin: Duy Nguyen
GitHub: duynl58

Summary

- Good knowledge about algorithms and data structures
- Research interests: Parallel and Distributed Systems, Database Systems, Operating Systems

Education

- **The High School for Gifted Students**   2010 – 2013
  Focused on Programming, Algorithm and Data structures

- **University of Engineering and Technology, VNU Hanoi**   2013 – 2017
  Bachelor of Computer Science; GPA: 3.36/4.0
  - Thesis graduation: Sentiment analysis for the Vietnamese language
  - Cleaned and transformed data for better classification performance
  - Applied machine learning techniques: SVM and LSTM

- **Self-learning courses**
  - CMU - Database systems – https://15445.courses.cs.cmu.edu/fall2017/
  - Princeton University - Distributed System – https://www.cs.princeton.edu/courses/archive/fall16/cos418

Achievements & Awards

- **Second prize in Vietnam National Olympiad in Informatics**   2012
  - Competed individually to solve 6 algorithmic problems using Pascal
  - Ranked 9th amongst thousands of contestants
- **IELTS - International English Language Testing System**   2020
  - Overall: 7.0

Experience

- **Worldquant LLC**   Aug 2018 Feb 2020
  Software Engineer
  - Implemented a web-based interface to provide a better way to create an ETL configuration of datasets for the Business Analyst team. This helps the BAs to build the configuration for only 4 weeks instead of per dataset instead of months doing analyst and testing the configuration
  - Maintained custom fork of Spark data sources for internal usage
  - Implemented a custom Spark datasource which converts raw data to an internal data format. It reduces lots of manual work of my team
  - Frameworks/Tools: **Facebook Thrift**, **Spark**, **ReactJS**, **Mobx**, **Protobuf**
  - Languages: **Python**, **Scala**, **Javascript**, **C++**

- **Worldquant LLC**   Jul 2017 Jul 2018
  Web Developer
  - Maintained and improved internal applications, which help Researchers and Portfolio Managers manage their tasks, strategies, and alphas easily
  - One of the internal webs can serve a few hundred heavy-computing requests per second
  - Wrote an ORM-like layer which converts JSON parameters to SQL query
  - Frameworks/Tools: **Apache HTTP Server**, **MySQL**, **ReactJS**
  - Languages: **Perl**, **Javascript**

Skills

- Languages: **Python**, **Perl**, **C++**, **Javascript**
- Libraries and Tools: **MySQL**, **ReactJS**, **Mobx**, **Thrift**, **Protobuf**

References

- **Associate Professor Phan Xuan Hieu**
  - Vice Dean of Faculty of Information and Technology, VNU-UET
  - Email: hieupx@vnu.edu.vn