

# Duy Nguyen

Mobile: +84 985 310995  
Email: duynguyen.ori75@gmail.com  
Linkedin: Duy Nguyen  
GitHub: duyng158

## 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 – 2012
  - *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

## 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