

Trung-Duy NGUYEN

DATA SCIENTIST

☎ (+33)750858649 | ✉ nguyentd@eurecom.fr | 🌐 github.com/trungduynguyen | 📱 Duy Trung

"Seeking for a challenging and innovative position in Data Science. I am fascinated to shape and transform data to valuable knowledge."

Summary

Current a data scientist Intern & a graduate student in Data Science with 2+ years experience specializing in backend/infrastructure, data analytics and machine learning. Looking for research jobs which fit my interests in these topics: Deep learning, Gaussian process and Bayesian analysis. Fascinated in exploring a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises.

Education

Institute Mines-Télécom(IMT)/EURÉCOM, campus SophiaTech

Biot, France

M.Sc in Data Science and Engineering

Sep. 2016 - Exp. Jan. 2018

- Courseworks: Deep Learning, Distributed System, Inferential Statistics

Ho Chi Minh University of Science (HCMUS) - Vietnam National University

Ho Chi Minh city, Vietnam

B.S. in Computer Science

Sep. 2011 - Sep. 2015

- Top 10 % students of Department of Information Technology
- Thesis: Transforming between C++ source code and UML models

Work Experience

KPMG Deutschland

Frankfurt, Germany

Data Scientist Intern - Supervisor: Prof. Pietro Michiardi

Aug. 2017 - PRESENT

- Build and deploy overall service infrastructure utilizing Docker containers or Kubernetes pods, focusing on high-availability, fault tolerance, and auto-scaling.
- Data cleansing and integration from multiple data sources
- Enhance the accuracy of Recommendation System for Solution Sales Engine: Collaborative Filtering
- Apply Deep Learning and Time-Series Forecasting techniques to detect sale patterns: Tensorflow, Keras, pandas, scipy, scikit-learn, mllib

EURECOM

Biot, France

Research Assistant - Supervisor: Dr. Maurizio Filippone

Mar. 2017 - July. 2017

- Constructed Ingredients parser based semantics
- Web-mining: Implemented web crawler to scrap food recipes: Scrappy, BeautifulSoup, Selenium
- Text-retrieval and Natural Language Processing (NLP) tasks : Inverted list, TF-IDF, Indexing, Stemming, Tokenization
- Implemented Recommendation system for food, classified food categories by KNN and Bayesian classifiers, Gaussian process

Tenpoint7

Ho Chi Minh city, Vietnam

Data Analyst

Sep. 2015 - Aug. 2016

- Crawled data and developed immensely efficient data collection procedures.
- Interpreted and analyzed results by conducting statistical measurements and providing ongoing reports
- Conducted several experiments with involving different kinds of supervised algorithms (Neural Network, Decision Tree, Naive Bayes Classifier)

Ho Chi Minh University of Science (HCMUS)

Ho Chi Minh city, Vietnam

Teaching Assistant

Oct. 2015 - Feb. 2016

- Guided students how to state hypotheses and tested them in scientific approaches
- Gave tutorials to conduct scientific papers on Latex
- Attended to office hours weekly to ensure students understanding course concepts

ToxTalent

Ho Chi Minh city, Vietnam

Data Analyst

Sep. 2013, Mar. 2011 - Oct. 2011

- Implemented knowledge crowd-sourcing system
- Collected/Analyzed user requirements, market research
- Designed mockups, constructed test-cases, quality assurance
- Operated software development processes (SCRUM, Agile) , planned strategies and prioritized tasks/resources for each Sprint

Research Assistant - Supervisor: Prof. Vu N. Duong

Jun. 2014 - Sep. 2014

- Built up an iOS application to collect user traffic pattern: Objective-C, MVC model
- Researched on Intelligence Transportation Systems (ITS) scientific papers and provided reports
- Visualized personal traffic trajectories on GoogleMap
- Simulated shortest pathways for each particular user

Projects

- 2017 **Datasets for Machine Learning in the kitchen**
- 2017 **Deep Learning: Lenet-5 Model for Optical Character Recognition on MNIST: Tensorflow**
- 2017 **Estimating Financial Risk through Monte Carlo Simulation**
- 2017 **Building a music recommender system: Collaborative-Filtering, Alternating Least Squares**
- 2016 **Sentiment Analysis on Yelp dataset**
- 2015 **Classification on Red wine dataset: Random Forest, Naive Bayes classifiers**

Awards & Certificates

- 2017 **Neural Networks and Deep Learning** Coursera's certificate
- 2017 **Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization** Coursera's certificate
- 2017 **Structuring Machine Learning Projects** Coursera's certificate
- 2016 **EURECOM scholarship for international students** cover all tuition fee
- 2015 **Being A Leader and The Effective Exercise of Leadership** John von Neumann Institute's certificate
- 2015 **John von Neumann Institute - Tenpoint7 partner scholarship** fully financial aid

References

Professor Vu N.DUONG

Singapore

Director of Air Traffic Management Research Institute of Nanyang Technological University (NTU)

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Maurizio Filippone, PhD

Biot, France

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