Applicant for:

Senior Data Scientist (Machine Learning)

TMA Solutions
14 December 2018

Tuan Tran

✉ tuan.trancaominh@hotmail.com

Main interests: Python, C++, Java

What skills, work projects or achievements make you a strong candidate for this position?

Note from ITviec: Tuan Tran skipped the cover letter.

JACOB TRAN

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- Highly numerate, mathematical and good programming skill with R and Python.
- Hard working, cooperative and delivery-oriented.

PROFESSIONAL EXPERIENCE

MAR 2018 – RECENT	**DATA SCIENTSIT.** **SENTIFI VIETNAM, HO CHI MINH, VIETNAM.** - Collaborating with senior data scientists on running and optimizing models in an NLP project with using Tensorflow and Keras packages. - Participating the influencer score project. Building up the score for indicating the impact of a financial twitter to market. - Using Python, PostSQL, MongoDB and Elasticsearch for daily tasks. Indeed, extracting data from sever and Twitter API based on requirements and other purposes.
SEP 2017 – FEB 2018	**FINANCIAL MODEL INTERNSHIP.** **PREDICTIVE ANALYTICS GROUP, MELBOURNE, AUSTRALIA.** - Successfully cleaning large data sets, then using them for modeling and testing. - Participating in modeling several time series projects (sales of an electricity company and a pharmacy company), and employing those models for forecasting and conducting many hypothesis tests.
MAR 2013 – AUG 2014	**SHOP AND GPROD CONTENT ADMIN.** **GAMELOFT VIETNAM, HO CHI MINH, VIETNAM.** - Managed and updated game contents and non-game contents (game description, screen shoot, video, and others) of more than 300 games on Product Manager and Gameloft Production Sites. - Frequently kept track of the changes of the devices' names, specifications, and checking or updating on Product Manager Site accordingly. - Weekly derived a database of new devices from large raw information of around 20000 devices clicking Gameloft Production Site.
AUG 2012 – FEB 2013	**UNIVERSAL BANKER.** **CITI BANK VIETNAM, HO CHI MINH CITY, VIETNAM.** - Attracted successfully a number of new-to-bank qualified customers in consistence with the Bank's business strategy

EDUCATION

JUL 2016 – JUN 2017	**MONASH UNIVERSITY, VICTORIA, AUSTRALIA** **MASTER OF STATISTICAL SCIENCE (EXCHANGE PROGRAM)** - Solid knowledge of time series with various financial models and forecast methods: Autoregressive models (AR), Moving average models (MA), ARIMA models, Parametric and Non-Parametric forecast methods and others. - Advanced financial models with short-interest rate models, Black-Scholes option pricing, and Generalized method of moments in financial model.

FEB 2015 – JUN 2016

LA TROBE UNIVERSITY, VICTORIA, AUSTRALIA
MASTER OF STATISTICAL SCIENCE
- Applied Statistics, Applied Probability with various applications of Statistics in real-life. Optimizing the effectiveness of systems and processes, and understanding the implications of upgrades to existing processes (in terms of cost, customer satisfaction and other requirements)
- Regression Analysis and Analysis Medical Data provide numerous regression models: Generalize Linear Model, Generalize Boost Model, Logarithmic Regression Model and Missing data analysis
- Data mining and algorithms give fundamental knowledge and techniques in data mining and machine learning.

AUG 2008 – JUL 2012

BANKING UNIVERSITY OF HO CHI MINH CITY, VIETNAM
BACHELOR OF COMMERCE
Majors : **Banking and Finance**.

RESEARCH

AUG 2016 – JUN 2017

SAMPLING THEOREM FOR SUB-GAUSSIAN PROCESSES
MASTER STATISTICS THESIS
- Investigated two stochastic sampling theorems, and numerical studied a well-conducted result in an article of Olenko and Kozachenko.
- R language was employed as the main program in the thesis, with using packages "Ggplot2" and "RGL" to conduct the numerical study and produce plots of the theorems' upper bounds in 2-Dimensions and 3-Dimensions. Therefore, R skill was improved significantly.

SKILLS

R
- Throughout the master course and many Kaggle projects, R programing had been trained in advanced level.

PYTHON
- Experience during working in Sentifi, several projects from Kaggle and the Internship. Familiar with Tensorflow, Keras, LightGBM and many other packages.

SQL/MONGODB/ELASTICSEARCH
- Self-educating during working at Sentifi. Using Python and official packages (SQLite, PyMongo) for data query and data wrangling.

REFERENCES

DR. ANDRIY OLENKO
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LA TROBE UNIVERSITY
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MR. CUONG NGUYEN
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