

Ngoc-Khanh Trinh

DATA SCIENCE | STATISTICS | FINANCE | BUSINESS INTELLIGENCE

Hanoi, Vietnam

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Summary

My objective is to further my job career in a professional working environment where my skills are valued and can benefit the organization. Ideally, I wish to secure a data science position at a stable and profitable organization in which I can be an active member of an analytics team and utilize my knowledge and experience to the fullest.

Education

University of East Anglia

Norwich, UK

MSC IN INVESTMENT AND FINANCIAL MANAGEMENT

Sep 2015 - Dec 2016

- Degree classification: Distinction including honors and advanced placement courses.
- Ranked 1st in the Master program (Top student).
- Specialization: Quantitative/Financial modeling and Investment management

Foreign Trade University of Hanoi

Hanoi, Vietnam

BSC IN INTERNATIONAL FINANCE

Sep 2011 - Jul 2015

- Degree classification: First class honours.

Lam Son High School for the Gifted

Thanh Hoa, Vietnam

MATHS CLASS

Sep 2008 - Jul 2011

- Member of Mathematics Team in 2010

Honors & Awards

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|------|---|-------------|
| 2016 | Best Academic performance in MSc Investment and Financial Management , University of East Anglia. | Norwich, UK |
| 2016 | Student Prize for The best Overall academic achievement , Awarded by Head of Norwich Business School - University of East Anglia | Norwich, UK |
| 2015 | Norwich Business School Open world scholarship , University of East Anglia | Norwich, UK |

Work Experience

Five9 Vietnam Corporation

Hanoi, Vietnam

DATA SCIENTIST - DATA PLATFORM AND ANALYTICS DEPARTMENT

Jun 2019 - Present

- Developing a new feature set that helped to improve the AUC of existing models by $\approx 4\%$ in average and make them more explicable.
- Building Credit scoring model to fasten loan and credit card approval processes of clients from finance and banking industry.
- Building Customer's affluence classification model to help clients with targeting and customizing their marketing campaigns.

Five9 Vietnam Corporation

Hanoi, Vietnam

DATA/BUSINESS ANALYTICS - DATA PLATFORM AND ANALYTICS DEPARTMENT

Jan 2019 - Jun 2019

- Data mining: Performing descriptive analytics to help clients with customer profiling. Using frequent itemset mining algorithms to discover associations and correlations among items in large transactional datasets, then proposing business solutions to business challenges.
- Feature engineering: transforming raw data into features that better represent domain knowledge to boost predictive models' performance.
- Making data reports/dashboards on request with competence in data visualization using BI tools and communicating findings to all stakeholders/customers.
- Data as a Service (DaaS): served as a project manager overseeing all aspects of the project.

Truemoney Vietnam - Ascend Group Thailand

Hanoi, Vietnam

BUSINESS INTELLIGENCE - BI DEPARTMENT

May 2018 - Dec 2018

- Performing in-depth analyses and reports as required from multiple internal and external data sources (using Metabase, MSSQL Server and Python) to identify and understand anomalies then making insightful recommendations for business improvements and risk management.
- Monitoring the datamarts and data analytics platforms on an ongoing basis.
- Taking part in Data warehouse project: defining business requirements and building business dashboards on the new reporting system.
- Achievements: Creating and maintaining online dashboards for Agent Network division, Accounting and Finance department using Google Data studio and Google BigQuery.

Vietnam Prosperity Bank (VPBank) - Home Office

Hanoi, Vietnam

FINANCIAL DATA ANALYST - MIS CENTER, FINANCE DIVISION

Mar 2017 - May 2018

- Providing management committee with accurate and timely regular bank-wide performance reports in regard to key financial and business indicators.
- Developing and making comprehensive KPI plans and reports covering both financial and operational measures.
- Conducting business studies on past, future and comparative performance to develop forecast models using statistical and quantitative techniques.
- Achievements: Successfully developing and automating "Overdue debt collection reports" of VPBank using MSSQL Server.

Vietnam Bank for Agriculture and Rural Development (Agribank)

Hanoi, Vietnam

INTERNSHIP CREDIT OFFICER

May 2014 - Aug 2014

- Identifying and maintaining potential customers for banking services.
- Conducting weekly reports on credit contracts.
- Assisting colleagues in preparing documents and dealing with customers.

Certifications

2016 **Spreadsheet Modelling Course**, Harvard Business Publishing (HBP)

Norwich, UK

2016 **Finance Course**, Harvard Business Publishing (HBP)

Norwich, UK

Skills

DATA ANALYTICS

- Descriptive and Predictive Analytics
- Statistics and Machine Learning techniques.
- Data Visualization
- Storytelling Dashboard

QUANTITATIVE TECHNIQUES

- Quantitative modeling
- Monte Carlo methods for Simulation

PROGRAMMING

- Python
- R
- T-SQL, PostgreSQL, LegacySQL

TOOLS

- Google Data Studio, Power BI, Metabase
- Google Bigquery, SQL Server, IBM DB2, MySQL, MongoDB
- Google Colab, IBM Watson Studio
- Git (GUI tools and basic Git Bash)

MICROSOFT OFFICE

- Microsoft Excel/Word/Powerpoint.

COMMUNICATION

- Vietnamese and English (fluently)
- Verbal and written communication
- Data interpretation

Extracurricular Activities

New routes Integration Norwich

Norwich, UK

VOLUNTEER/MENTOR

Mar 2016 - Jul 2016

- Promoting social and ethnic cohesion by setting up projects which build self-esteem, develop new skills and bring immigrants together thereby assisting them to integrate into society in the UK.