

# Dustin Huynh

LinkedIn: Dustin Huynh | Github: HAKO411  
tridung.huynh@gmail.com | +1 (703) 8626191  
8013 Steeple Chase Ct, Springfield, VA 22153



## EDUCATION

### OTTO-VON-GUERICKE UNIVERSITY MAGDEBURG

M.Sc. Operations Research and  
Business Analytics | Dean's List  
Oct 2020 - Present | Magdeburg,  
Germany  
Focus: Data Science in Finance and  
Supply Chain Management

UNIVERSITY OF KASSEL  
M.Sc. Economic Behaviour and  
Governance | Good  
Apr 2019 | Kassel, Germany

FOREIGN TRADE UNIVERSITY  
B.A. in Banking and Finance, minor:  
International Finance | Good  
Sep 2014 | Vietnam

FOREIGN TRADE UNIVERSITY  
B.A. in Business Administration | Good  
Sep 2012 | Vietnam

## TECHNICAL SKILL

### PROGRAMMING

• Python • R • Java • C#  
• Scikit-learn • Keras  
• SQL • Hadoop • AWS • Stata

### VISUALIZATION

• Tableau • PowerBI  
• Matplotlib • Seaborn  
• Agile Methodology

## COURSEWORK

### GRADUATE

Machine Learning  
Deep Learning  
Computer Science  
Database Concept  
Operations Optimization  
Predictive Analysis and Forecasting  
Empirical Productivity Analysis

### ADDITIONAL COURSES

Statistics • Data Analysis  
Support Vector Machines  
Deep Reinforcement Learning  
Natural Language Processing

## EXPERIENCE

### PERX LLC

#### 3PL & FBA AMAZON SELLER

Jan 2023 – Present | Virginia, USA

- Leverage Amazon's platform, infrastructure, and services to build an e-commerce business, offering a wide range of products and providing an exceptional buying experience to customers
- Establish and optimize a streamlined workflow for an international team, facilitating seamless collaboration in their daily workload

### INFINEON TECHNOLOGIES AG

THE BIGGEST GERMAN SEMICONDUCTOR COMPANY WITH 50,000  
EMPLOYEES

#### MERGERS & ACQUISITIONS AND CORPORATE STRATEGY

Mar 2022 – Jul 2022 | Munich, Germany

- Build a data pipeline for the Competitive Intelligence platform to deliver advanced financial analysis, strategic analysis and forecasting
- Maintain and improve industry databases and competitive analysis, including monitoring of M&A activity and benchmarking
- Integrate S&P Capital IQ database into Infineon's big data infrastructure

#### ANALYTICS AND REPORTING FOR STRATEGIC PLANNING

Sep 2021 – Feb 2022 | Munich, Germany

- Develop automation projects for Analysis Dashboards, process and analyze data on Big Data infrastructure
- Develop and code optimized models for production planning
- Training in semiconductor manufacturing, supply chain & planning processes

### PERX OÜ | FOUNDER

Jan 2019 – Dec 2020 | Tallinn, Estonia

- Cooperate with SMA Solar Technology to develop solar power market and transfer technology to Vietnamese partners • Investing in sustainable products

### ALT ACADEMY RESEARCH CONSULTING GROUP

SALES MANAGER | MAY 2014 – MAR 2015 | VIETNAM

PR MANAGER AND SENIOR CONSULTANT | JAN 2013 – MAY 2014 | VIETNAM

## PROJECT

### THE CREW SCHEDULING PROBLEM OF PUBLIC TRANSPORTATION SERVICE PROVIDERS

Python | Operational Optimization | Otto-von-Guericke University Magdeburg

- Developed a mixed-integer column generation optimization model using Google's OR-Tools library to schedule bus drivers based on multiple constraints automatically.

### DEEP LEARNING FOR PREDICTING SHORT-TERM DEMAND IN BIKE SHARING SYSTEMS

Python | Otto-von-Guericke University Magdeburg

- Build deep learning model LSTM and CNN-LSTM prediction model for short-term demand at each station for the next two hours in bike sharing systems using Helsinki Region Transport data and weather features

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## SKILLS

### SOFT SKILLS

English (Fluent) • German (B1)  
• Vietnamese (native)  
Problem-solving • Critical Thinking  
Leadership • Teamwork

## ACTIVITIES

### VICE PRESIDENT

Vietnamese Student Association in  
Kassel

Apr 2016 - Apr 2018 | University of  
Kassel, Germany

### FACULTY-ELECTED LEADER

Sep 2008 - Apr 2012 | Foreign Trade  
University, Vietnam

### ORGANIZER

Peacework Development Project  
Sep 2009 | Vietnam

## HOBBIES

Exploring • Reading  
Photography • Traveling  
Football • Swimming

## PROJECT

### BUILD OPTIMIZATION MODEL FOR PLANNING PROCESS

Linear Optimization | Python | Infineon Technologies AG

- Automate the planning process with the model controls the relationship of demands, capacities, resources, production routes,...

### ADVANCED TOPICS IN MACHINE LEARNING

Python | Otto-von-Guericke University Magdeburg

- Employ Semi-Supervised Learning model for classification and clustering for NLP datasets: Data Preprocessing, Word Embedding, Word2Vec, LDA Topic modeling, Label Propagation

### TABLEAU REPORT AUTOMATION

Tableau | Python | Infineon Technologies AG

- Improve current analysis dashboard and build the program from python to extract reports automatically

### PORTFOLIO OPTIMIZATION

Computational Finance | Python | Otto-von-Guericke University Magdeburg

- Build an optimized portfolio with Modern Portfolio Theories • Build asset's price prediction model with ARIMA and Deep learning - Stacked LSTM model

### CUSTOMER'S BEHAVIOR ANALYSIS

Discrete Choice Model | Using R

- Estimated choice model of decision-maker • Predicted choice probabilities • Elasticity • Predicted market share • Horowitz, Likelihood-ratio test

### ANALYZE THE JOINT EFFECT OF GOAL FRAMING AND ANCHORING ON ONLINE SHOPPING BEHAVIOR | GRADE: 4.0

Proportional Odds Models | Master Thesis - University of Kassel

- Designed and conducted a field experiment to observe the joint effect of goal framing and anchoring on online shopping behavior on the Amazon platform • Used the Proportional Odds models to analyze ordinal categorical data