

Dustin Huynh

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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

MACHINE LEARNING

- Deep Learning (Advanced) • Deep Reinforcement Learning • Clustering and classification • Support Vector Machines
- Natural Language Processing • Image Processing • Optimization in Machine Learning

OTHER

- Statistical modeling • Data Analysis
- Data structures • Data modeling
- Predictive Analysis and Forecasting
- Empirical Productivity Analysis
- Operations Optimization
- Agile • SCRUM

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