

MYKYTA ZHAROV

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EDUCATION

RWTH AACHEN UNIVERSITY, GERMANY

2018 - Present

MSc Mathematics with Practical Course in Business Administration

Main subjects taken to date: Machine Learning, Categorical Data Analysis, High Dimensional Probability Theory, Time Series Analysis, Operations Research

RWTH AACHEN UNIVERSITY, GERMANY

2014 - 2017

BSc Mathematics with Practical Course in Business Administration (2.2 average mark)

Main subjects taken: Analysis, Statistics, Stochastics, C++, Production and Logistics, Computer Stochastics, Marketing and Procurement, Optimization

Bachelor-thesis: Convergence of the kernel density estimator for random bandwidth (1.0 grade)

KYIV NATIONAL TARAS SHEVCHENKO UNIVERSITY, UKRAINE

2013 - 2017

BSc Mathematics

WORK/VOLUNTEERING EXPERIENCE

KPMG GERMANY, DUSSELDORF

Feb 2018 - Present

Working Student, Lighthouse/Digital Finance (Business Intelligence)

- implemented a model in Python for calculating a pedestrian traffic using mobile provider data in Python, which was used for predicting the attractiveness of a new retail store
- applied machine learning algorithms to predict the utilization of electric vehicle charging stations
- configured nodes and deployed containerized applications in Kubernetes
- supplemented a software delivery pipeline by implementing unit and integration tests for the source code of the web-based analytics application, what improved the reliability of the code

KPMG GERMANY, DUSSELDORF

Oct 2017 - Feb 2018

Intern, Digital Finance (Business Intelligence)

- programmed and implemented data-base structure and models for working with geospatial Data with PostgreSQL and PostGIS
- developed single-page application software for performing CRUD operations, visualizing geospatial data with React.js in interactive and easy-to-use form, that sped up the process of data maintenance
- collected retail market information to perform complex calculations to establish pedestrian traffic for different scenarios

PWC UKRAINE, KYIV

Sep 2015 - Oct 2015

Intern, Advisory Practice

- analyzed financial information on the top bank debtors in light of their solvency, working condition, market position and other key parameters for an M&A project for one of the top banks
- modified and processed bank financial statements and other key documents of the bank

RAIFFEISEN BANK AVAL, KYIV

Mar 2015 - Apr 2015

Intern, Project Portfolio and Finance Management Division

- developed a VBA macro which exported data from various sources, checked the data for completeness, relevance and quality. This significantly sped up and improved the process of report preparations and quality control
- formed an electronic on-line library and integrated it into the bank model of network access to resources. As a result the team obtained a structured database allowing all employees to find information needed faster. In addition, the database facilitated the training of new employees

AIESEC BRAZIL, CUIABA

Aug 2014

- organised an English-speaking club for Brazilian students on versatile topics such as finding solutions for the global warming problem
- presented Ukraine on the international conference 'Global Village' promoting intercultural exchange

ADDITIONAL INFORMATION

Languages Ukrainian and Russian - native; English and German - fluent (IELTS 7, DaF 4554)

Software R, PostgreSQL, Python, Javascript, Gurobi, Git, MatLab, MS Office, C++, \LaTeX

Certificates Google Associate Cloud Engineer, Statistics & Machine Learning Specialization by JHU on Coursera

Hobbies cycling with family, snowboarding with friends on a powdery snow