

# 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)*

- one of the top universities in Germany, a founding member of the IDEA League - alliance of top 5 universities of technology in Europe
- main subjects taken: Analysis, Statistics, Stochastics, C++, Production and Logistics, Computer Stochastics, Marketing and Procurement, Optimisation

### **KYIV NATIONAL TARAS SHEVCHENKO UNIVERSITY, UKRAINE — 2013 — 2017**

#### *BSc Mathematics*

- top-ranked university in Ukraine, full government scholarship
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## WORK/VOLUNTEERING EXPERIENCE

### **KPMG GERMANY, DUSSELDORF — FEB 2018 — PRESENT**

#### *Working Student, Lighthouse*

- 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 utilisation of electric vehicle charging stations
- configured nodes and deployed containerised 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*

- took part in the Geo Analytics project for one of the clients in Europe:
  - programmed and implemented data-base structure and models for working with geospatial Data with PostgreSQL
  - developed single-page application software for performing CRUD operations, visualising 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*

- actively participated in the M&A project for one of the top banks:
  - analysed financial information on the top bank debtors in light of their solvency, working condition, market position and other key parameters
  - 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
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## ADDITIONAL INFORMATION

- Languages: Ukrainian and Russian - native; English and German - fluent (IELTS 7, DaF 4554)
  - IT Skills: R, SQL, JavaScript, Python, MatLab, MS Office, Gurobi, C++
  - Certificates: Google Associate Cloud Engineer, Data Science: Statistics and Machine Learning Specialization by Johns Hopkins University on Coursera
  - Hobbies: cycling with family, snowboarding with friends on a powdery snow
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