

VLAD MATSIIAKO

New York, NY | 347-585-2396 | vm265@cornell.edu

EDUCATION

Cornell Tech, New York, NY

May 2022

Master of Engineering in Operations Research and Information Engineering

Relevant Coursework: Machine Learning Engineering, Applied Machine Learning, Algorithms and Data Structures for Applications, Optimization Methods, Modelling under Uncertainty

Merit Scholarship recipient

Erasmus University Rotterdam, Rotterdam, The Netherlands

August 2021

Bachelor of Science in Econometrics and Operations Research | Top 5%

Bachelor of Science in Economics and Business Economics | Top 5%

- Teaching Assistant for “Nonlinear Optimization” and “Programming I/II” classes; Total of 12 groups with ~30 students each

Honors/Awards:

- One of the 20 best-performing students selected to participate in the “Excellence program 2020” (topic: Deep Learning)
- Selected into Honours Bachelor Class 2018-2019 - 20 out of ~1000 economics and econometrics students; based on the study results and extracurricular activities
- Abbvie Possibilities Scholarship recipient (Merit-based)

Dnipro National University, Dnipro, Ukraine

August 2021

Bachelor of Science in Applied Mathematics, Major: Computer Modelling and Technology of Programming | Top 10%

TECHNICAL SKILLS

Languages:

Python, SQL, Java, LookML, MatLab, R, C++, HTML, CSS, JavaScript, C#

Other Tools:

PyTorch, TensorFlow, Looker, Kibana, ElasticSearch

EXPERIENCE

Bunq, *European online bank*, Data Scientist, Amsterdam

September 2020 – August 2021

- Led the project of generating hyper-targeted marketing campaigns using NLP & GPT-3; increase in CTR of 40%
- Created infrastructure for querying and transforming marketing data from 6 platforms using APIs, then pushing it to AWS Redshift to be visualized as insights in Looker
- Developed company-wide universal ‘Data Definitions’ consisting of 100+ terms-queries and designed a website for it
- Introduced/maintained a Slack bot with key business metrics (e.g., # of paying clients, user balances) in the main channel
- Evaluated applications of candidates for Data Science positions and mentored 2 new data scientists

Bunq, Data Science Intern, Amsterdam

May 2020 – September 2020

- Built a Customer Lifetime Value model end-to-end which estimated profits from each client based on 60+ variables (MAE < 5%)
- Implementation of the model led to 27% increase in ROI of online marketing budget → ~€300,000 gain per year

Erasmus University Rotterdam, Research Assistant – Dr. Flavius Frasincar, ML and OR

August 2019 – August 2021

- Conducted data cleaning, ML algorithms implementation, methodology research, and results interpretation
- Co-authored a publication to DSS “[An LDA-based Competing Risks Model for Predicting Reasons to Churn](#)”
- Co-published a paper in IJWET “[Predicting Individual Behavior: an Empirical Approach in Online Marketing](#)”

PrivatBank, largest Ukrainian bank, Big Data Intern, Ukraine

June 2017 – August 2017

- Part of the 3-person team that created a fraud risk scorecard for personal clients (based on unusual transaction patterns)
- Implementation of the scorecard increased accuracy of customer risk assessment by 2.4%
- Performed data collection, data cleaning, exploratory data analysis, and logistic regression

PROJECTS

Cornell Product Studio by Datadog,

Fall 2021 (in Progress)

- Part of the interdisciplinary team working with Datadog to build a technical product that enhances productivity of sales teams

LEADERSHIP & EXTRACURRICULAR

Concordia International Investment Group, Co-founder, Rotterdam

September 2017 - Present

- Created a student investment fund (€6,000+) which invested in stocks/bonds/options. The fund outperformed S&P 500 by ~6% in M² risk-adjusted returns in 2019-2020. The team currently consists of 40+ members and alumni
- 3rd place out of ~50 for the Investment Groups’ Competition 2019-2020 in B&R Beurs Investment Society

SPOKEN LANGUAGES: Fluent in Russian, Ukrainian, working proficiency in German, French, Dutch