

## EDUCATION

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### ERASMUS UNIVERSITY ROTTERDAM

Rotterdam, The Netherlands

*Candidate for Bachelor in Econometrics and Operations Research,*

GPA: 8.3/10.0 2017-2021

*Candidate for Bachelor in Economics and Business Economics,*

GPA: 8.1/10.0 2017-2021

- 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 - a class of 20 students out of ~1000 same-year economics and econometrics students; based on the study results, extracurricular activities, and the interview performance
- Won the Freshman Research Award: the best research paper out of 20 Honours students with the topic “Politico-economic factors determining innovation. Econometric analysis”; evaluated by the vote of 22 new Honours students.
- Was awarded Abbvie Possibilities Scholarship 2020 - \$5,000
- Relevant courses: Programming (9.2/10), Advanced programming (9.3/10), Markov Processes (10/10), Simulation (9.9/10), Data Mining (9.5/10), Advanced Statistics (8.5/10), Analysis (8.8/10), Matrix Algebra (9.0/10), Linear Programming (8.4/10), Combinatorial Optimization (8.4/10).

## EXPERIENCE

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### BUNQ – a Dutch neobank

Amsterdam, The Netherlands

*Data Science Intern.*

May 2020 – Present

- Built a Customer Lifetime Value model based on more than 60 different variables (MAE < 5%)
- Given the model’s predictions, starting from 09.01.2020, bunq’s online marketing budget is being dynamically restructured (22% increase in ROI of marketing spending within first four month in use  $\approx$  €250,000 est. gain per year)
- Created company-wide universal language of ‘Data Definitions’ consisting of 100+ terms-queries
- In the team of 5, redesigned bunq’s dataflow by resetting the ETL tool used, cleaning tables, fixing external integrations
- Assessed assignments of the applicants for Data Science positions at bunq and mentored 2 new data team employees

### ERASMUS SCHOOL OF ECONOMICS

Rotterdam, The Netherlands

*Research Assistant*

August 2019 – Present

- Involved in research in Machine Learning and Operations Research, as an assistant to dr. Flavius Frasincar
- Co-authored a publication to DSS; title: “An LDA-based Competing Risks Model for Predicting Reasons to Churn”
- Co-published a paper in IJWET; title: “Predicting Individual Behavior: an Empirical Approach in Online Marketing”
- Designed Reactive GRASP attention-based algorithm for multiple advertisements’ allocation on a Web banner; 4+% more price efficient than the current state-of-the-art algorithms

*Teaching Assistant*

September 2018 – January 2021

- Helped prof. dr. Ilker Birbil, dr. Paul Bouman, and dr. Yutao Sun in teaching tutorials, grading assignments and exams
- Subjects taught: Nonlinear Optimization, Programming, Introduction to Programming, and Guidance
- Total of 12 groups of students with ~30 people in each one

### CONCORDIA INTERNATIONAL INVESTMENT GROUP

Rotterdam, The Netherlands

*Co-founder*

September 2017 – Present

- A student investment group within the B&R Beurs investing society
- Managed the portfolio of about €6,000; recruited 25 members over 3 years out of the pool of around 300 applicants;
- 3<sup>rd</sup> place out of ~50 for the Investment Groups’ Competition 2019-2020 in B&R Beurs Investment Society
- Outperformed S&P 500 by almost 6% in  $M^2$  risk-adjusted returns in 2019-2020 period
- Managed my own portfolio of €10,000 to achieve the average return of 36% yearly

### PRIVATBANK

Dnipro, Ukraine

*Big Data Intern*

June 2017 – August 2017

- Elaboration of scoring cards for assessing credit risks in the biggest bank of Ukraine by market capitalization
- In the team of 3, created a new credit risk scorecard for personal clients. Increase in accuracy = ~2.4%
- Focused on data collection, data cleaning, exploratory data analysis, and logistic regression as the main method used

## ADDITIONAL INFORMATION

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Technical skills: Python, SQL, ELK Stack, LookML, Git, Spark (Novice), Docker (Novice), MATLAB, C#, C++, Java, HTML, CSS, Bootstrap, JavaScript

Languages: Russian (Native), Ukrainian (Native); English (Fluent); German (Conversational), French (Conversational); Dutch (Basic)

Activities: Tennis, travelling, jogging