

# OLZHAS SHORTANBAIULY

53 Qabanbay Batyr Ave, Nur-Sultan city, Kazakhstan  
8 (771) 264 08 24, olzhas.shortanbaiuly@nu.edu.kz, github.com/oshortanbaiuly

## EDUCATION

---

### Nazarbayev University

Fall 2018 - Spring 2022

B.Sc. in Mathematics

CGPA: 3.31 (out of 4.0)

*Relative Coursework:*

**Mathematics:** Calculus I-III, Differential Equations, Discrete Math, Real Analysis I, Abstract Algebra I, Advanced Linear Algebra, Numerical Methods, Linear Programming, Mathematical Finance

**Statistics:** Probability, Applied Statistical Methods, Mathematical Statistics, Regression Analysis (R), Stochastic Processes, Stochastic Calculus, Statistical Programming (Python)

**Other:** Programming for Scientists and Engineers (C), Performance and Data Structures (C++), Machine Learning with Applications, Computational Physics (Python), Resource Economics and Project Valuation, Public Speaking, Web Programming and Problem Solving

## PERSONAL PROJECTS

---

### Data analysis on different macroeconomic indicators of world countries

*Asked and answered statistical research questions by performing statistical tests using SciPy and visualizing data using Matplotlib and Seaborn*

### Predicting wine quality from its other characteristics using multiple linear regression

*Checked the model assumptions for multiple linear regression, performed remedial measures, applied weighted least squares and backward elimination*

## COURSES AND CERTIFICATIONS

---

### Introduction to Python, Intermediate Python, Data Science R Basics

*DataCamp*

### Introduction to Data Science in Python, Applied Plotting, Charting & Data Representation in Python, Applied Machine Learning in Python

*Coursera*

### Communication skills and active listening in a project environment, Introduction to Anti-Money Laundering, The Power of Brands

*PwC Central and Eastern Europe's Upskilling Academy*

## EXTRACURRICULAR ACTIVITIES

---

### SIAM Student Chapter

October 2019 - August 2020

*Member of the HR and Academic Departments*

- Organized Midterm nights on Differential Equations, volunteered in NU Open House Day and NU PI day

### CoronaNet Project

August 2021 - December 2021

*Volunteer Research Assistant*

- Researched and created a comprehensive overview of government policies enacted in Kazakhstan as well as collecting and entering new and updated policy information related to COVID-19.

## PERSONAL SKILLS

---

### Languages

Kazakh (native), Russian (native), English (proficiency) - IELTS 7.5

### Programming languages

Python, R, C++, GNU Octave, SQL (basics)

### Software

Excel, Word, Power Point, Latex, Google Drive, Zoom, Github

### Interests

Statistics, Stochastic Analysis, Data Science, Finance