Abylay Iskakov

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EDUCATION

University of Rochester Rochester, NY
Bachelor of Science in Data Science, Bachelor of Arts in Math & Statistics August 2024 – May 2028

Relevant Courses: Data Structures & Algorithms, Database Systems, Data Mining, Discrete Math

Leadership: First-Year Representative at Data Science Club

National School of Physics and Math Astana, KZ
Secondary Education System (**GPA: 4.0/4.0**) September 2019 – May 2024

Relevant Courses: AP Microeconomics, Macroeconomics, Calculus, Statistics, Computer Science A

SKILLS & AWARDS

Technical Skills: Java, Python, SQL, R, PowerBi, Latex, Overleaf
Financial Software: Excel, PivotTable, Quicken, Xero, Word, Powerpoint, Finviz
Developer Tools: IntelliJ, PyCharm, Eclipse, Google Sites, java.lang.Math, Matplotlib, NumPy
Awards: High School Student of the Year (2024, 1 out of 2,000+ students), High School Pride Award (2023)

WORK EXPERIENCE

ENTRANTE.NET Astana, KZ
Full Stack Data Engineer November 2022 - December 2023
- Engineered website from scratch (50+ webpages, 25,000 Google showings), reducing previous update times by 32%
- Crafted SQL performance dashboards and optimized site through Collaborative Filtering to boost user engagement by 17%
- Designed interest matching system using Binary Search in Python, slashing matching time by 60% and increasing number of matches by 40%, vastly enhancing user experience

ECOMARKETPLACE Astana, KZ
Financial Analyst May 2023 – November 2023
- Architected optimal order management SQL database to track 50+ daily orders on time, refining startup's scheduling system
- Developed dynamic pricing algorithm in Python and R to decrease capital expenditures, unnecessary long term assets by 15%
- Cultivated relationships with 20+ client companies to streamline their supply chains, cutting logistics costs by 10%

UBER Remote
Product Developer Intern February 2022 – April 2022
- Executed risk analysis (Bow-Tie, SWIFT, VaR) via simulation in Java to assess financial vulnerabilities of the project
- Presented products' financials via PowerBi to company executives, achieving 95% approval, proving strong market potential
- Spearheaded Uber Teen app for New Zealand, projecting 7% first-year revenue increase using Time Series Regression Model

PROJECTS

EFFICIENT ENERGY BENCHMARKS IN GREEN BUILDINGS July 2023 - October 2023
- Analyzed 500+ Green Buildings' energy data using ARIMA and Multiple Linear Regression Model with 85% accuracy to identify the least efficient time intervals of energy utilization within buildings
- Optimized equipment investments through linear programming in R, reducing miscellaneous costs by 15%
- Applied Latex and Overleaf to visualize statistical models, enhancing data interpretation for sustainable building practices

WATER SHORTAGE IN KAZAKHSTANI RIVERS December 2021 - May 2022
- Utilized Excel and PivotTable for 2D modeling and forecasting water supply based on snowfall and climate data
- Devised financial strategy to boost tech infrastructure productivity by 29%, addressing critical water management issues
- Identified 8 key water scarcity factors for major rivers through root-cause analysis, vital for environmental policy-making

LEADERSHIP ACTIVITIES

GOOGLE DEVELOPERS STUDENT CLUB Rochester, NY
Events Manager September 2024 - Present
- Hosting meeting with Phoebe Gates about digital fashion platform Phia to showcase example of tech initiatives to students
- Conducted Git & GitHub workshop, enhancing 20+ students' digital project documentation and portfolio building skills
- Designed holistic semester plan for diverse 6 tech events, including TensorFlow workshops, speaker series and tech trivias