SERGEY LEBEDEV

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EDUCATION

Columbia University   New York, NY
MS in Operations Research (GPA: 3.7)   Expected Dec 2022
- Concentration - Machine Learning and AI
- Courses: Optimization, Stochastic Models, Simulation, Asset Pricing, Applications Programming for Financial Engineering, Machine Learning, AI Applications in Finance, Algorithmic Trading

Boston University   Boston, MA
BA in Economics and Mathematics, Honors (GPA: 3.8)   May 2021
- Minor in Computer Science and Business Administration
- Courses: Game Theory, Econometrics, Micro- and Macro-Economics, Accounting, Computational Techniques for Finance

TASIS - The American School in Switzerland   Lugano, CH
High School Diploma, IB Diploma, High Honors   May 2017
- International Baccalaureate (IB) courses: Economics HL, Mathematics HL

WORK EXPERIENCE

Citadel   New York, NY
Compliance Operations Technical Intern   Jun 2022 - Aug 2022
- Automated workflows for generating reporting metrics and delivery through Outlook API using Python and SQL
- Scraped data from RESTful API using Python Requests library and token-based authentication
- Designed Tableau dashboards to visually present historical and current data trends, introduced visualizations to key stakeholders

Deloitte - Columbia   New York, NY
Course Project   Jan 2022 - May 2022
- Pre-processed and consolidated 12 separate files of real estate data
- Designed a 3-phase manual on building an automated AI optimization model for Corporate Real Estate Management (CREM)
- Proposed an optimization problem leading to a multi-phased decision making framework

Delahunt Group   Boston, MA
Internship Project   Dec 2020 - Dec 2020
- Analyzed company client's corporate governance correlation with share price market performance over a period of 10 years
- Presented a 20-page report analyzing company's financial statements

RESEARCH EXPERIENCE

Boston University   Boston, MA
Honors Thesis   Sep 2020 - Apr 2021
- Wrote an Honors Thesis on a topic of "The effects of the COVID19 Pandemic and Lockdown Policies on PM2.5 Concentration in the US" (tools used: R)
- Defended Thesis before a committee of three faculty members

Course Research Paper   Jan 2019 - Apr 2019
- Wrote and presented a 30-page research paper on a topic of "The effects of increase in healthcare expenditures on life expectancy across countries worldwide" (tools used: Stata)

IT SKILLS AND INTERESTS

- Programming   Python, SQL, Scala (Apache Spark), C++, C, R, HTML/CSS
- Python Packages   NumPy, Pandas, Scikit-Learn, SimPy, statsmodels
- Data Visualization   Matplotlib, ggplot2, Seaborn
- Other skills   Tableau, Stata, GAAP
- Leadership Experience   Led a group of students to Morocco in a global service-learning group trip
- Interests   Python programming, Algorithmic Trading